### **Feasibility Study:**

### West Half of the Laramie-Poudre Tunnel Rehabilitation

Sponsored by

**The Tunnel Water Company** 

In conjunction with the

**Colorado Water Conservation Board** 

February 2019

FEASIBILITY STUDY SIPPROVAL Pursuant to Colorado Revised Statutes 37-60-121 &122, and in accordance with policies adopted by the Board, the CWCB staff has determined this Feasibility Study meets all applicable requirements for approval.

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### Feasibility Study The Tunnel Water Company Laramie-Poudre Tunnel: Rehabilitation of West Half

#### Introduction (Need for the Project)

The Tunnel Water Company ("TWC") owns and operates the Laramie-Poudre Tunnel which diverts water from the West Branch of the Laramie River in Larimer County to the Cache la Poudre River downstream and 11 air miles NNE of Cameron Pass. The 2.15 miles long tunnel was constructed in 1910/11 to divert water from the Laramie River, a tributary of the North Platte River, to the Cache la Poudre River primarily for irrigation of farm lands in Larimer and Weld Counties. The Company purchased the tunnel in 1938 and has operated it continuously, on a seasonal basis, since then.

#### **Project Sponsor**

The project sponsor is the Tunnel Water Company, a Colorado mutual ditch corporation. The Tunnel Water Company is a mutual ditch company with 2 shareholders: Water Supply and Storage Company (WSSC) and Windsor Reservoir and Canal Company (WRCC). There are 450 shares of Tunnel Water Company stock issued and outstanding. Water Supply and Storage is the majority owner/operator of Laramie Poudre Tunnel, owning 300 shares. Windsor Reservoir and Canal Company owns 150 shares. The Tunnel Water Company purchased the Laramie Poudre Tunnel and adjoining Laramie River System in 1938 after the Greeley-Poudre Irrigation District went bankrupt. At that time, assets of the Greeley-Poudre Irrigation District were split between Water Supply and Storage Company and Windsor Reservoir and Canal Company.

Founded in 1891, WSSC has 600 shares outstanding and about 138 shareholders. The WSSC shareholder group includes three municipalities, the cities of Thornton, Fort Collins and Greeley and several water districts, including East Larimer County Water District and North Weld County Water District. The remaining WSSC shares are primarily owned by family farmers and dairymen. Nearly all the water diverted by the WSSC, including water diverted through the Laramie-Poudre Tunnel, is and has historically been diverted for agricultural uses, principally flood and sprinkler irrigation of about 40,000 acres in Northern Colorado, south of the company's main canal, the Larimer County Canal and north of the Eaton Canal (Larimer & Weld Canal Co.). The municipalities and water districts have completed change cases in water court in anticipation of use of their shares to meet municipal needs in the future.

Windsor Reservoir & Canal Company is owned 50% by the City of Greeley and 25% each by North Weld County Water Company and Fort Collins-Loveland Water District.

#### **Project Service Area and Facilities**

TWC provides water to its shareholders, WSSC and WRCC. WSSC delivers irrigation water to shareholders, primarily for agricultural irrigation on about 40,000 acres lying below the Larimer County Canal between Highway 287 north of Fort Collins to several miles east of Highway 85 near Pierce and Ault, Colorado. WRCC delivers water to its shareholders at the Soldier Canyon Filter Plant just east of Horsetooth Reservoir and to the City of Greeley at their Bellvue Water Treatment Plant northwest of Fort Collins, principally for municipal use in their service areas. See the maps attached in Appendix F.

TWC's facilities include the Laramie-Poudre Tunnel, the Rawah and Lower Supply Ditch, a camp with cabin and appurtenant structures for operations and maintenance near the confluence of the ditch, the West Branch of the Laramie River and the inlet channel to the tunnel (west portal). Larimer County Road 103 provides access from Highway 14, the Poudre Canyon Highway, approximately 46 miles west of the intersection of Highway 14 and Highway 287 (Ted's Place, as it is commonly known).

<u>Skyline Ditch</u>: this collection ditch, wholly owned by WSSC, diverts water from the headwaters of the West Fork of the Laramie River directly into Chambers Reservoir, then into Joe Wright Creek and the Cache la Poudre River. By contractual agreement with WRCC, WSSC may also divert water from this ditch through the Laramie-Poudre Tunnel.

<u>Rawah and Lower Supply Ditch (Rawah Ditch)</u>: diverts water from the western slope of the Laramie River Valley south of Glendevey, CO into the 2.15 mile long Laramie-Poudre Tunnel. The tunnel discharges that water into the Cache la Poudre River near Highway 14 at a point 1.9 miles west or uphill from the CDOT maintenance facility and 5.4 miles east or downhill from its intersection with CR103 (the Glendevey or Laramie River Road).

#### Hydrology and Water Rights

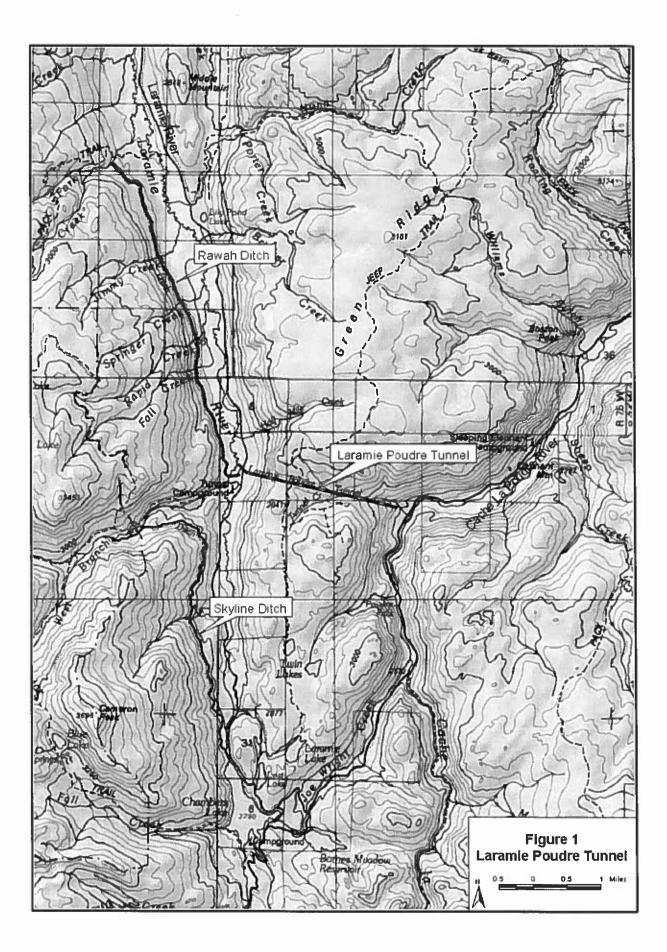
TWC has a decreed right of 300 cfs adjudicated 9/11/1944 and 2/20/1914 for the Laramie-Poudre Tunnel, Priorities 71-73 & 75 in District #48. As the result of litigation which reached the U.S. Supreme Court, there are volumetric limits in effect for all Upper Laramie River diversions.

#### See Appendix B.

All water diverted by the Tunnel Water Company flows through the Laramie-Poudre Tunnel and then into the Cache la Poudre River. All waters, including waters diverted through the Laramie-Poudre Tunnel taken by the WSSC for distribution to its shareholders, is diverted from the river near the Cache la Poudre Canyon mouth through its head gate about .5 mile south of Ted's Place.

Tunnel Water Company: Laramie-Poudre Tunnel West Half Rehab Project February 2019 Windsor Reservoir & Canal Company diverts it share of water diverted by the Tunnel Water Company through the Munroe Canal, the Poudre Valley Canal or the Eaton Canal through its Cache la Poudre river head gate or by exchange from Long Pond, an off-channel reservoir owned by Water Supply & Storage Company, into the Eaton Canal.

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#### **Project Description and Alternatives**

The Company has engaged Lithos Engineering to design the project and Harrison Western Construction Corporation for the rehabilitation of the west half of the Laramie-Poudre Tunnel, starting at the west portal (lengthened and rehabilitated in 2015) and continuing up to the area of the tunnel that was rehabilitated in 2003 near the center of the tunnel. Existing support structures will be removed from the tunnel. Loose debris and muck will be removed and materials will be mined to expand the tunnel to a more uniform, 7' x 7', cross section to accommodate mining and maintenance equipment in the future. New support systems will be installed, including steel support structures, spot bolting, pattern bolting, and shotcrete as needed.

#### Laramie-Poudre Tunnel West Half Rehabilitation -- Alternatives Considered.

1. <u>No action alternative</u>. The Company quickly dismissed a "no action" alternative as it will eventually result in the failure of the tunnel, rendering it unusable pending emergency repairs. Having that occur during irrigation season would cause irreparable harm to its shareholders who rely on diversions through the tunnel for a substantial portion of their annual irrigation needs.

2. <u>Removal of existing support systems and debris, expansion of tunnel to an</u> <u>approximate 7' by 7' cross section, and installation of new support systems.</u> The Company deemed it necessary to replace the existing support systems to prevent future collapse and blockage of the tunnel. It is necessary to expand the tunnel to allow access for construction and maintenance equipment for future maintenance and repairs.

3. <u>Replacement of the tunnel</u>. There are no suitable locations nearby and the cost would be prohibitive, if environmental approvals could ever be garnered, to replace the tunnel in an alternate location.

4. <u>Alternative water sources.</u> The Company is unaware of any alternate sources of water which are not so junior in priority that they would be unreliable in most water years, should the tunnel be abandoned.

#### Selected Alternatives

We have selected Alternative 2, as described above, removal of existing support systems and debris, expansion of tunnel, and installation of new support systems.

#### **Cost Estimates**

The Company retained Lithos Engineering to prepare preliminary designs for the project and to prepare bid documents. We provided RFQ's to 10 mining contractors, received bids from four, chose three to interview and then selected Harrison Western (HW) as the preferred contractor. HW and TWC have

Tunnel Water Company: Laramie-Poudre Tunnel West Half Rehab Project February 2019 signed a contract to perform the work and complete the project. The contract provides for a preliminary phase where HW is compensated to work with Lithos Engineering to complete the design after further inspections and investigations of the existing conditions and then refine cost estimates using a CMAR contracting format.

#### **Implementation Schedule**

The design is scheduled to be completed in April 2019. Construction to begin September 3<sup>rd</sup> or sooner if the 2019 tunnel diversions have reached the adjudicated maximum quota (resulting in the end of diversions for the season) before that date.

#### Permitting

The tunnel and project site lie within the Canyon Lakes District of the Arapaho and Roosevelt National Forest. The tunnel camp at the west portal of the tunnel is located on a 2.5 acre USDA-FS special use permit. The Company is the permittee. The construction and all the related activity, staging of materials and equipment, will occur within the Company's 1891 Act Easement or within the boundaries of a temporary construction special use permit to be issued. Preparation of the application for the temporary permit necessary is underway. Based on those several discussions, the Company is confident it can meet the requirements of the Forest Service and will garner the necessary temporary permit well before construction commences. With respect to the easement for the tunnel inlet and the tunnel itself, this project is a maintenance activity and permitted under the terms of its perpetual tunnel easement and Colorado law.

#### Institutional Considerations

None.

#### **Financial Analysis**

The Tunnel Water Company shareholders, Water Supply & Storage Company and Windsor Reservoir & Canal Company, have approved the budget for the current fiscal year ending November 30, 2019. Assessments approved total per share outstanding and are sufficient to cover projected operating costs, other capital expenditures and debt service. See a copy of the 2018/19 budget included in Appendix D.

#### **Credit Worthiness**

The Company has an excellent credit rating, has never defaulted on its financial obligations See the audited financial statements for FYE 11/30/18 prepared by Scofield & Scofield, P.C., attached in Appendix D. The Company has outstanding borrowings from the CWCB. The Tunnel Water Company, borrowed \$3,481,400.81, in two loans, from CWCB in 2002 to rehabilitate the Laramie-Poudre Tunnel after a cave-in event. It also secured a second loan for the lengthening and improvement of the west portal and replacement of the east portal energy

Tunnel Water Company: Laramie-Poudre Tunnel West Half Rehab Project February 2019 attentuation structure. That project is in progress and is expected to be completed in the fall of 2019.

#### **Alternative Financing Considerations**

If the Company is not successful in securing this financing, it will approach commercial banks for additional financing. The Company's Directors considered raising shareholder assessments to pay for these projects, but believe it prudent to spread the cost over an extended term to better match the cash flow cost with the benefit garnered by the improvements contemplated.

#### Collateral

The Company will offer either a pledge of assessment revenues or other Company assets as collateral for the loans.

#### **Economic Analysis**

This tunnel is a key water conduit for the shareholders of the Company. The economic damage to the Company and its various shareholders, should it become damaged and inoperative is inestimable.

#### **Social and Physical Impacts**

The project site is located on land not typically accessible or utilized by the general public.

Social Impacts. There are no social impacts expected from the completion of the project.

Physical impacts. There will be additional traffic to deliver materials to the site and for a small number of construction workers, but those will principally occur after Labor Day and before Memorial Day when the numbers of National Forest visitors and other traffic in the Poudre Canyon and the Laramie River Valley are much lower than is the case during the prime tourist season months of June through August. County Road 103, which is typically not maintained during the winter, will have to be plowed and maintained by the contractor while the project is underway. The contractor is confident the project can be completed in one winter season, but we are preparing for a second season of construction should unforeseen developments cause the completion to be delayed. The construction will be suspended and water diversions will continue as usual during the summer of 2020 should completion of the project be delayed.

#### Conclusions

This project is of utmost importance to the Company and its shareholders. The continued viability of the tunnel and the long-term availability of the water supply it carries to its family farmers, dairymen, livestock producers and Northern Colorado residents is essential.

# **APPENDIX A**

Articles of Incorporation & Bylaws

# ARTICLES OF INCORPORATION OF SHE TUNNEL MATER COMPARY

HNOW ALL MANY HY THEME PREMIATE, That we, the undersigned, R. C. WIMMER, HARVEY C. JOHNSON, MADE OF M. HARDEN, J. M. COLLING and REX C. BATCH, dilizons of the United Dister of America, and residents of Weld County, Colorado) have here of America, and sother to establish a corporation under the here and style of THE WATER COMPANY, a mutual irrigation company, for the purpose of becoming a body corporate and politic) under and by virtue of the laws of the fitte of Colorado; and in accordance with the provisions of the laws of the Stile of Colorado; we do hereby makes execute and acknowledge, in quadruplience, this Cartificate in writing of our intention so to become a body corporate (not for pouniary profit), under and by virtue of said laws, which when filed shall constitute the Articles of Interpretion of THE WATER OURPARY.

<u>AZOGHDI</u> Dur seid correction shall be shat is commonly known as a mutual frrigation company and is not organized for pecuniary profite. The waters pend by the Company and to be owned or acquired by our Company shall be distributed means its stockholders pro rate spoording to the number of decreas owned by each; but subject to the provisions hered? and to the provisions of the By-laws of the Company as to payment of decreasing and distribution of waters

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mumi ithe meture of the business; and the objects and purposes for which said corporation is formed and incorporated are to acquire, construct; own; maintain and operate disches and

reservoirs and interests thereins to sequire, by purchase, condemation, or otherwise, all lands measury or proper for sights of way for said ditches and sites for said reservoirs; to acquire, by purchase, appropriation, contract, issue, or otherwise, water for supplying said ditches and filling said reservoirs; to divert and store water through and in anid ditable and reservoirs and to distribute the same to stockholders directly; or by a system of exchange, and to use all water monutrad and appropriated for irrication, donostic, mechanical and other professional uses; to acquire interests in ditches and reservoirs and appropriations of water by purchase and omerahip of stock in other corporations eming or controlling the same; to construct all dams, headgates, flumes and appliances necessary and proper to or for the maintenance and operation of said ditches and reservoirs) to supply water to its stoukholders upon such terms and conditions as shall be prescribed by the By-Laws or by the Hoard of Directors of said Company; to coulro my existing ditch or reservoir and the appropriations of water therefor necessary or proper for the purposes of this Company) to acquire, onn, maintain and operate reservoirs, ditches, dama and other appliances, and appropriations of water for the generation of power and other mechanical purposes, and to use the appropriations of mater omed or asquired by said formany for irrigation and mechanical purpo essi to purchases saculars, own and hold all real estate and personal property nedeseary to sarry out and properly conduct the business of sold Compare to con trust, or secutre telephone lines, or interests in the line of any other dompany to be used or operated in connection with or as incidental to the my to become manage and to femis bonds br operation of said untes of said Company, and to de ATONT thereof by marte or deed of trust upon any sr all of the property of said Go including appropriations of waters, and generally to do and per

all things necessary or proper to sarry on the business of said Company, and to carry out its objects and purposes as aforeseld, and by a majority vote of its Board of Directors to sell, lease, exchange, convey and assign any property shich may be adquired by it upon such terms and conditions, and for such consideration or considerations on said Board of Directors abali deem expedient and for the best interests of and sorporation, which, in the opinion of the Board of Directors, shall so ionger be necessary to the operation of said Companys.

FOURTH: Our corporation shall acquire title to any and all ditches, resor oizas au ar, real estate, rights OUT IN LUIS OF TA of way, and all other property of a hind or haturo shatooster. heretofore ound by The Lemmis - Poulry Irrigation Company, a Colorado corporation, as the same are and heretofore have been located, constructed, maintained and operated, and described. in the Complaint and Decres of Forgelosus a in that cortain sult herotofore filed in the District Court in and for Larimer County, Colorado, whorein Water Conservation Company, a Colorado corporation, was Plaintiff, and the said the Lorenie + Poudre Trrigation Company, a corporation, and The West Hide Construction Company, a corporation, were Defendants, seld suit heing gaine number ed 7881 in said Court, 牙外交 manna di sobre di si si si including the foll topristions of water, lands, rights of way and property stogether with any and all appropriations of water initiated; made or perfected; decred or undecroed, for any of the ditches or reservoirs herein mentioned, togother with all rights and appurtmented belonging or apportaine ing thereto, or used in connection their rith, to rit!

1. The BANAN DITCH, whose headcake is located in the south bank of Basch Greek in Section 58, Tornship 9 North, Bange 76, Heat of the 6th P. M.; is Lariser-Mointy, Colorade: B. THE LINE LARGE, being a group of 14 lakes or reservoirs connected together md located in Townships 8 and 8 North, Bange 76 West of the 51c P. May Larisan Donnty, Colorade.

De THE MARY FORK ENGEFICIES Situate in Mettion 10,

Township 6 North, Range 75 Heat of the 5th Pa Me, in Larimer County, Colorado.

4. THE LARANIE RIVER TABLES As now constructed and located in Sections 7, B, 9 and 16; Texnship 6 Marth; Hange 78 West of the 6th P. M., in Larimar County, Colorado; Somether with all its controlling works and other property as both ands of the tunnel; including what is known as the Tannel Reservoir at the west portal thereof, and all being connected with the Laranie Bivar and diverting therefrom.

5. DEADLAN AND LUMAN CHEEK DITCH, or THE EAST SIDE COLLECT-BIG DITCH, with its headgate in the south bank of Deadman Greek, in Section 31, Township 10 North, Bange 75 West of the 5th P. M., in Larimar County, Colorado,

5. The LOWER SUPPLY DITCH, for THE MEST HIDE COLLECTING DITCH, with its headquits on the southyside of Rawah Creak in Section 14. Township 9 North, Range 76 West or the 6th P. M., Larimer County, Colorado.

7. THE MOINTIPE DITCH, with its hendgate in the sast hank of Mointyre Croak, in Section 51, Township 9, North, Range 76 West of the 6th P. M., in Lariner County, Colorados

Be APPROPRIATIONS OF MATCH, from the Largenie River and tributaries thereof in Water District Hoa 48, pertaining to mach and all of the above ditches and reservoirs:

9. DONDY LAKE PESSATOIR, lodated in Sections 57 and 54, Township 10 North, Ronge 73 West of the 5th P. M., Lariner County, Colorado.

10. THIN LAKES RECEIVOIN, Ideated in Section 54, Township 10 North, Range 73 West of the 6th Fa Mag Larimar County, Colorados

11. LITTORELL LAKE DYSTER's Consisting of Mitchell Lakes Hose 1. F. J. 4. 5 and 6. Dear Lake, Kris Lake, Basks Lake and Bellaires Lake, located in Tomship 10 Horsh, Ronge 73 Nest of the Sth F. Nes Larimer County, Colorados

18. THE NORTH PINE SUPPLY WITCH, having its headgate in the east bank of the North Breach of Lone Fine Greak, in Section 20. Township 10 North, Funge 75 West of the 6th P. N., in Lariner County, Colorado.

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154 THE BOUTH PINE SUPPLICATION, with its headgate located in the morth bank of the South Fork of Lone Pine Greek, in Gestion 03, Township 10 North, Hunge 75 West of the Sth P. Mee in Lariner County, Colorados

J 14. INE. IL SHORE DIFOR, with its Leadests in the north bank of Elkhorn Greak in Section 18, Trenship 9 North, Range 74 West of the 6th Pa May, in Lorimer Granty, Geleradest

10, THE LARANCE + FOULDE INTELETION OUTLY, formerly saling THE GREATER-POUDAR COULT, LANated and the Richards with its head or initial point at the terminum of the formion talky Ditch is said nouth line of Section 66, and schedule channes to Malow Respectiv in Township W North, Range 50 rest of the 4th Pr May all istated part in Lariner and Part is wild Denky Folderate

16. The bedieter provides the second first from the boundary bedieters [1]

to Coal Greek, in Weld County, Colorados

17. McGRET HEARYOIR, located on Sections 25, 27, 35 and 36, in Township 9 North, Bange 65 West of the 6th P. M., and in Section 1, Township 8 North, Bange 60 West of the 6th P. M., Weld County, Colorados

16. CREALTY-POUDRE RECEIVOIN 10. 1, located in Sections 16 end 17, Township 8 North, Range 57 Meet of the 5th P. M., Weld County, Colorado.

19. MARCH RESERVOIR, logated in Section 10, Township 7 Morth, Range 63 West of the 6th PalMa, and in Sections 18 and 15, Township 7 Morth, Bange 64 West of the 6th Falls, Held County, Colorado.

20. DOVIR RECEIVOIR, lodatod in Township 8 North, Range 68. West of the 6th P. M., in Weld County, Colorado,

FIFTH The capital scool of our said Company shall consist of Your Hundred Fifty (460) shares; without par value, and said stock when issued, fully paid up, shall be nonreseasable except that said stock may be annually ensered for the maintenance, operation and repair of the ditches, reservoirs, supropriations of water, and other property to be acquired by said Company, and for enlargements, additions or improvements thereof, and for the purpose of paying any indebtedness, consil or to be incurred, of said Company in the manner by law provided for a mutual, non-profit ditch sempeny.

the right to subscribe to the stock of our corporation shall be limited and confined to stockholders of The datar Supply and Stornge Company and The Mindson Beauroir and Canal Campany; provided, however, that withow of said corporations shall have the right to subscribe for, own, hold and control stock of our Company, for the banefit of their respective stockholders, in acounts not exceeding tro-thirds the of by The Water Supply and Storage Company and one-third thereof by The Windsor Res Canal Company, and no essignment of any ot said stook to any person or corporation, other than as in this paragraph limited, shall be recognized by our corporation; and in minh Assignment shall give the assignee or assignees thereof an A. ABOATT or held office in this corporation, or any Fight is bestefit wheteower The strates of such assignment, nor shall this Company in my way recognize such

assignmente

of our said Company shall never be allowed or parmitteds

ANNEXAL The effektes and management of our said corporation aball bo under the control of a Board of Directors nonmisting of five (6) membors, three (9) of whom shall be selected from the directors or stockholders of said the Vater Supply and Storage Company, nominated and designated by the Board of Directors of said the Vater Supply and Storage Company, and two (3) of most shall be selected from the directors or stockholders of said the Vindeor Heservoir and Cenal Company, nominated and designated by the Board of Directors of said The Findsor Heservoir and Cenal Company, No mandamit of this article shall ever be made without the company, No mandamit of this article aball ever be made without the company of an of Directors of said meeting of the stockholders of said Companies rives by ballot at an annual meeting of the stockholders of said companies rives by ballot at an annual

R. G. UMERT, HARVEY G. JOINDON and MADD G. M. RANDEN, Directors of said The Tatar Supply and Storage Company, and J. M. COLLINS and REX G. HARDN, Directors of said The Windsor Reservoir and Gamai Company, are hereby salasted as Directors of our said Company to manage its arrairs and conserve until the mart annual meeting of stockholders thereof, and until their successors are salested, in the manner hereis set forth, and qualified. In the event of a Tatary on the Board of

Directors of our said Company, Smissed by the death, removal or inshilling of any member shoreof to serve of by reason of any member thereof becoming ineligible to serve by theon of the fact that he shall not continue to be a stockholder of said the fact that he and Storage Company of of said the Hindeox Reservoir and Canal Companys such vacancy on the Board of our said Correnty shall be tilled by the such vacancy of a person sho shall be a filled by the such vacancy of said Company of our said Correnty shall be tilled by the such vacancy of a person sho shall be a filled to the second whichever of said Companies of which in second mode dath, removal, inshilty to serve or becoming isoligible, with a director of stock-

#### holder.

Elournes Our corporation shall have the power to make 1.0 and lovy assessments on the capital stock thereof, payable in money, labor, or both, to be lovied pro rate on the shares of said stock, for keeping the property of our said corporation in good repair, enlarging or improving the sume, or for the payment of any indebtedness of said corporation and interest they on, but no much assossment shall be made unless the question of making same shall first be submitted to the stockholders strour said corporation, at an mnual meeting, or at a special meeting called for that purpose, and a majority of the stock issued and outstanding, represented . either in person or by proxy, wating there on, shell vote in favor of making much ascomment, and in gase said stockholders shall fait to hold my such meeting or shall fail to make or mithorize any such assessment by the first day of April in any year, then said Board of Directors shall have the power to make may such descement at any regular or special meeting of said Board of Dia stors called therefor for such years

The By-Laws of this sorporation shall presuribe and provids for the sale and for faiture of my stock thereof for the failure of clany, stockholder to pay the installments or assessments that may from time to time become due and shall provide for the sale and forfaiture of any stock of our corporation for MAY BASSARDON ..... made or levied on said stock in accordence with Section 11 of Chapter, 41, 1938 Colorado Statutes Anno stated, and our corporation elects to take and claim the benefit of said Section for the recovery of such a assessments by forfeiture and sale of any stock of our dorporation which shall be in default; and shall have a perpetual lies upon such shares and the water rights represented by the same, for my and all such assossments and all parts thereof until the same are fully paid. No water shall be delivered under any stock of our sorporation until all assessments which shall have been made or levied thereon shall have been fully paids.

Intrie The operations of our said corporation shall be carried on in the Counties of Enriner and Held, in the State of Colorado, and the principal place of business of said corporation shall be located in Fort Colling, Lariner County, Colorado.

TENTHS Our corporation shall have purpetual existences ELEVINITIS The Directors of our said corporation shall have power to make such prudential ByrLeve as they may deem proper for the management of the affairs of said corporation, not inconsistent with the laws of the State of Colorado in such case made and provided, Provided, however, that said Board of Directors shall not pass or adopt

any By-Laws inconsistent with or prohibited by those articles. <u>TULLPTH</u>: Our corporation reserves the right to smend, alter, or change any provision sontained in this Cartificate of Incorporation except as hereby surreally prohibited, in the menner new or hereafter preseribed by statute, Provided, however, that Articles numbered Firth, Simth, Seventh and Nighth hereof shall not be smended except as in said articles hereof expressly permitted.

IN WITHENS WHEREOF as have bereunto subscribed our hands and seals this 27 day of Septembers At Day 1950.

STATE OF COLORADO

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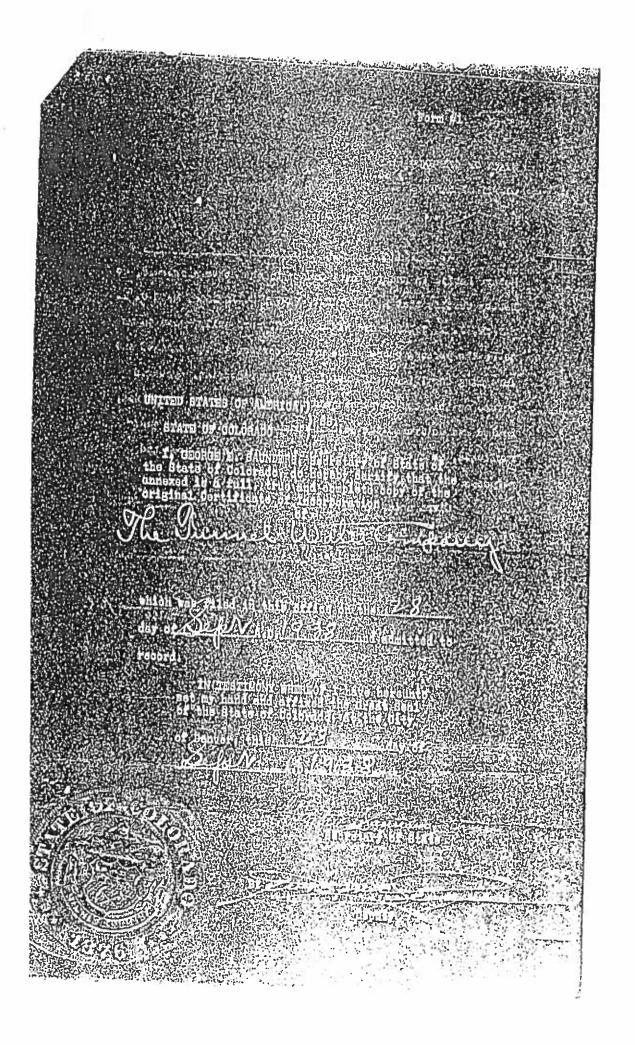
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Notary Public in and for said County in the State aforesaid, do hereby certify that R. C. STREPT, HARVAY C. JOHNON, MADS C. M. HANSIN, J. M. COLLINS and REX C. HARVAY C. JOHNON, MADS C. M. to be the pursons whose Hemes are subscribed to the emersed and foregoing Certificate of Articles of Incorporation, suppared before no this day in person and schooledged that they signed; sealed and delivered the said instrument of writing, in quadruplicate, us their free and volumenty and for the uses and purposes therein set forths

Given under my hand and motorial seal this 2.7 Tay. of September, A. D., 1938.

My Commission Empirest 1-19:00

anne RT.



R. C. Wykert, Harvey G. Johnson, Mads C. M. Hauson, J. M.

Collins and Rox C. Eaton each theroupon offered to purchase one (1) share of the capital stock of our corporation to be issued fully paid and non-assessable. On motion duly made, seconded, and unanimously carried the offers were accepted and the President and Secretary were directed to issue cortificates for one (1) share of the capital stock of our Company to each of said Directors.

On motion of Harvoy G. Johnson, seconded by Rex C. Enton and unanimously carried, the Board then proceeded to the election of officers and a canvass of the votes showed that R. C. Wykert was unanimously elected President, J. M. Collins was unanimously elected Vice-President, Fred Alford was unanimously elected Ecorotary and Fred Alford was unanimously elected Pressurer.

Mr. J. M. Collins then offered the following By-Laws to be the By-Laws of our corporation, and on his motion, duly seconded, the following By-Laws were adopted:

#### BY-LAWS

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2.

#### THE TUNNEL WATER COMPANY

<u>Soction I.</u> ANNUAL STOCKHOLDERS' MEETING - The Annual Stockholders' Meeting of stockholders of THE TURNEL WATER COMPANY shall be hold at a place to be designated by the Secretary in published notice of said meeting at Fort Colling, on the <u>second</u> Monday <u>in February</u> in the year 1939, and of the same day of each succeeding year.

Notice of the Annual Meeting shall be given as provided by law.

<u>Soction II</u>. SPECIAL MEETINGS OF SPOCKHOLDERS - Special moetings of stockholders may be called at any time by resolution of the Board of Directors, or upon request of the holders of onethird (1/3) of the capital stock, upon notice to be given as provided by law.

Suction III. BOARD OF DIRECTORS - ELECTION - The Bourd of Directors shall consist of five (b) persons who shall be stockholders of our corporation, and three (3) of whom shall be selected from the Directors or stockholders of The Water Supply and Storage Company, nominated and designated by the Board of Directors of said The Water Supply and Storage Company, and two (2) of whom shall be selected from the Directors or stockholders - of The Windsor Reservoir and Canal Company, nominated and designated by the Board of Directors of said The Windsor Reservoir and Canal Company, who shall be elected at the Annual Stockholders' Meeting and shall hold office until their successors shall be elected and qualified. Stockholders may vote in person or by proxy.

3.

It shall be the duty of unid Board to exercise general supervision over the affairs of the Company, to receive and pass upon the reports of the Secretary and Tronswerr, to audit all bills and accounts against the Company and direct the Secretary in correspondence. It shall cause its officers to make a full exhibit of their several departments, and to prepare reports for submission to the annual meeting of stockholders.

The Board of Directors shall meet at such times as they shall from time to time determine, and a meeting of the Board may at any time be called by the Prosident, or any other three members of the Board, by causing personal notices to be served upon the Directors or by mailing the same in the pestoffice at Fort Collins addressed to each Director, at least two days before the date of such proposed meeting.

Three of the Directors shall constitute a quorum for the transaction of business at any meeting regularly called or adjourned; but any meeting of the Directors however called shall be valid when every member of the Board is present at such meetings, or shall give their several written consent thereto upon the recorded minutes thereof.

Until otherwise ordered, the regular place of meeting of the Board of Directors shall be at the office of the Company, at the City of Fort Collins, Larimer County, Colorado.

<u>Section IV</u>. OFFICERS - ELECTION - ETC. - The officers of this corporation shall be a President and Vice-President, who shall be chosen from the members of the Board of Directors, and a Secretary and a Transver, who may or may not be members of the Board of Directors or stockholders. The offices of Secretary and Transver may, at the discretion of the Board, be filled by one and the same person. Said officers shall be elected at the first meeting of the Board of Directors and shall hold office until the next annual meeting of the stockholders and until their successors are

4

elected and qualified and enter upon their offices respectively. The duties of such officers respectively, shall be those usual to such officers of like corporations.

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Vacancies on the Board of Directors shall be filled by the Board of Directors by ballot in the manner and from the persons prescribed and described in the Articles of Incorporation. Vacancies in any office shall be filled by the Hoard of Directors by ballot.

Section V. QUORUM ~ At all stockholders' meetings, stockholders holding at least a majority ) of the capital stock of the corporation, represented either in person or by proxy, shall constitute a quorum.

Three (3) members of the Board of Directors shall constitute a quorum at meetings of the Board of Directors.

Soction VI. STOCK - The subscribers to the capital stock of this corporation shall be ontitled to cortificates for their shares, duly signed by the Provident or Vice-President and countersigned by the Secretary, and bearing the corporation's seal, when same shall have been fully paid up. All certificates of stock shall be numbered and registered as they are issued.

The right to subscribe for, hold, own, transfer or assign the stock of our corporation shall be limited as provided in the Articles of Incorporation of our Company. No transfer or assignment of stock, which is not authorized or permitted by said Articles, shall be made. Transfers or assignments so authorized shall be made only upon the surrender of the original cartificates and the written assignment of the holder, or his written request for re-issue. Transfers shall be made only on the books of the Company.

Soution VII. SALE OF STOCK FOR HON-PAYMENT OF ASSESSMENTS -When any stockholder shall be in default in the payment of any installment or assessment upon the stock, pursuant to the determination and levy of the Board of Directors, for the period of thirty days after personal notice thereof, and demand therefor by the Secretary, or after a written or printed notice and demand therefor has been deposited in the pestoffice, properly addressed to the last known pestoffice address of such delinquent stockholders, the Board of Directors at any meeting may order that the share or shares of stock hold by such delinquent stockholder and all the interest of such stockholder therein be sold by the Promident at public auction, at some certain time and place to be designated in such order, to the highest bidder for each; Provided, however, that notice of such sale shall be published four successive weeks before such sale in some public newspaper published in fort Collins, and provided, further, that the proceeds of any such sale over and above the zmount due on said share or shares and all expenses incident to such sale, shall be public to the delinquent shareholder.

Section VIII. DISTRIBUTION OF WATER - All water supplied by this Company shall be distributed or credited pro-rate eaons the stockholders of this Company. No water shall be delivered under any stock of this corporation until all measurements, which shall have been made or levied thereon, shall have been fully paid.

Soction IX. CORPORATE POWERS - The Board of Directors shall have those powers enumerated in the Articles of Incorporation and in those By-Laws, and such other powers as may be necessary or incidental in carrying out such enumerated corporate powers and conducting the business of this corporation.

The Board of Directors shall have enthority to amploy such officers or employees to conduct the business of this corporation as they may see fit, and to fix the salaries of the respective officers and employees of this corporation.

Section X. ONDER OF HUSINESS - The order of musiness shall be that usual to such meetings.

6.

Section XI. SEAL - The corporate scal shall consist of the name of the corporation arranged in a circle and the word "SEAL" in the conter thereof.

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Section XII. AGRIDMENTS - These By-Laws may be amended at any regular meeting by three-fifths (4/5) vote of the Board of Directors, Provided, however, that no emendment incommistent with or prohibited by these Articles shall be made, and provided further that Articles numbered Fifth, Sixth, Seventh and Eighth of the Articles of Incorporation shall not be anonded except as in said Articles expressly permitted.

#### <u>AMENDMENT</u> <u>to The Tunnel Water Company's</u> <u>Articles of Incorporation</u>

Pursuant to a resolution of the stockholders of The Tunnel Water Company, and in a manner prescribed by the Tunnel Water Company's Bylaws and Articles of Incorporation, an amendment to the Company's Articles of Incorporation was adopted February 13, 2012. On that date, the Third Article of the Tunnel Water Company's Articles of Incorporation was amended in its entirety to read as follows:

THIRD: The nature of the business, and the objects and purpose for which said corporation is formed and incorporated are to acquire, construct, own, maintain and operate ditches and reservoirs and interests therein; to acquire, by purchase, condemnation, or otherwise, all lands necessary or proper for rights of way for said ditches and sites for said reservoirs; to acquire, by purchase, appropriation, contract, lease, or otherwise, water for supplying said ditches and filling said reservoirs; to divert and store water through and in said ditches and reservoirs and to distribute the same to stockholders directly, or by a system of exchange, and to use all water acquired and appropriated for irrigation, domestic, mechanical, municipal and any other beneficial purpose or use; to acquire interests in ditches and reservoirs and appropriations of water by purchase and ownership of stock in other corporations owning or controlling the same: to construct all dams, headgates, flumes and appliances necessary and proper to or for the maintenance and operation of said ditches and reservoirs; to supply water to its stockholders upon such terms and conditions as shall be prescribed by the By-Laws or by the Board of Directors of said Company; to acquire any existing ditch or reservoir and the appropriations of water therefor necessary or proper for the purposes of this Company; to acquire, own, maintain and operate reservoirs, ditches, dams and other appliances, and appropriations of water for irrigation, domestic, mechanical, municipal and any other beneficial purpose or use , and to use the appropriations of water owned or acquired by said Company for irrigation, domestic, mechanical, municipal and any other beneficial purpose or use; to purchase, acquire, own and hold all real estate and personal property necessary to carry out and properly conduct the business of said Company; to construct, or acquire telephone lines, or interests in the line of any other company to be used or operated in connection with or as incidental to the operation of said Company; to borrow money and to issue bonds or notes of said Company, and to secure the payment thereof by mortgage or deed of trust upon any or all of the property of said Company, including appropriations of water, and generally to do and perform all things necessary or proper to carry on the business of said Company, and to carry out its objects and purposes as aforesaid, and by majority vote of its Board of Directors to sell, lease, exchange, convey and assign any property which may be acquired by it upon such terms and conditions, and for such consideration or considerations as said Board of Directors shall deem expedient and for the best interests of said corporation, which, in the opinion of the Board of Directors, shall no longer be necessary to the operation of said Company.



Colorado Secretary of State Date and Time: 08/21/2014 02:13 PM ID Number: 19871103555

Document must be filed electronically. Paper documents are not accepted. Fees & forms are subject to change. For more information or to print copies of filed documents, visit www.sos.state.co.us.

Document number: 20141504141 Amount Paid: \$25.00

ABOVE SPACE FOR OFFICE USE ONLY:

	Articles of Amendment q. and §7-130-105 of the Colorado Revised Statutes (C.R.S.)
1D number	19871103555
1. Entity name	THE TUNNEL WATER COMPANY (If changing the name of the corporation, indicate name before the name change)
2. New Entity name (if applicable)	Mage gas generation of the state of the stat
<ul> <li>3. <i>(If the following statement applies, adopt the s</i></li> <li>If the following statement applies, adopt the s</li> <li>Other amendments are attached.</li> </ul>	tatement by marking the bax and include an attachment.)
4. If the nonprofit corporation's period of duration as amended is less than perpetual, state the date on which the period of duration expires	(mm/dd/yyyy)
oı.	
If the nonprofit corporation's period of	f duration as amended is perpetual, mark this box
5. (Optional) Delayed effective date	(mm²dd'yyy)
6. Additional information may be included applicable, mark this box 🔲 and inclu	I pursuant to other organic statutes such as title 12, C.R.S. If ide an attachment stating the additional information.
acknowledgment of each individual eausin individual's act and deed, or that the indivi person on whose behalf the individual is ca with the requirements of part 3 of article 9 statutes, and that the individual in good fai	he secretary of state for filing shall constitute the affirmation or ag such delivery, under penalties of perjury, that the document is the dual in good faith believes the document is the act and deed of the ausing the document to be delivered for filing, taken in conformity 0 of title 7, C.R.S., the constituent documents, and the organic th believes the facts stated in the document are true and the of that Part, the constituent documents, and the organic statutes.
This perjury notice applies to each individe state, whether or not such individual is name	ual who causes this document to be delivered to the secretary of ned in the document as one who has caused it to be delivered.
7 Name(s) and address(es) of the	

individual(s) causing the document to be delivered for filing	Fischer	William	R.	
	(Last)	(First)	(Middle)	(Suffix)
	1319 E. Prosp	ect Road		
	(Street	nume and number or Post Of	fice Box information)	

Fort Collins	CO 80525	
(Cliy)	United States (Postal/Zip Code)	
(Province if applicable)	(Country - if not US)	

(The document need not state the true name and address of more than one individual. However, if you wish to state the name and address of any additional individuals causing the document to be delivered for filing, mark this box and include an attachment stating the name and address of such individuals.)

#### Disclaimer:

1

This form, and any related instructions, are not intended to provide legal, business or tax advice, and are offered as a public service without representation or warranty. While this form is believed to satisfy minimum legal requirements as of its revision date, compliance with applicable law, as the same may be amended from time to time, remains the responsibility of the user of this form. Questions should be addressed to the user's attorney.

## **APPENDIX B**

Water Rights Summary

#### WATER RIGHTS

The Laramie Poudre Tunnel has decreed direct flow water rights for a total of 300.00 cfs from the Big Laramie River. The other components of the Laramie River System have additional decreed direct flow water rights. There is no associated storage on the Western Slope. The Laramie Poudre Tunnel water right is relatively senior on the Colorado River. Table 1 presents the details of the direct flow water rights for the Laramie Poudre Tunnel and the associated Laramie River System.

Direct Flow Water Rights						
Structure Name	Source	Structure ID	Appropriation Date	Adjudication Date	Decreed Rate	Use
Laramie River Tunnel	Big Laramie River	0304600	8/25/1902	2/20/19146	300.00 cfs	Irrigation All
McIntyre Ditch	McIntyre Creek	4800581	8/25/1902	2/20/1914	40.0 cfs	Irrigation Municipal Commercial Industrial Recreation Fish Fire Augmentation
Rawah Ditch	Rawah Creek	4800582	8/25/1902	2/20/1914	225.0 cfs	Irrigation All
Rawah Lower Supply Ditch	Big Laramie River	4800500	8/25/1902	2/20/1914	275.0 cfs	Irrigation All

Table 1Direct Flow Water Rights

- **Decreed Uses:** There are numerous water rights associated with the Laramie Poudre Tunnel; however as a result of the Laramie River Compact the total decreed capacity is limited to 300 cfs.
- Associated Storage: Laramie Poudre Tunnel is part of the Laramie River System which includes numerous reservoirs owned by the Tunnel Water Company.
- Compact and Other Legal Considerations: Laramie Poudre Tunnel is one of five transmountain diversion structures included in the Laramie River Compact between

Colorado and Wyoming. The 1957 Substitute Decree in Wyoming v. Colorado [353 U.S. 953 (1957)], known as the Laramie River Decree or Laramie River Compact, permits Colorado to divert 49,375 acre-feet per year from the Laramie River basin as follows:

- 1. 19,875 acre-feet per year may be diverted by Colorado for transmountain users. Transmountain users include Water Supply and Storage Company (Laramie Poudre Tunnel Diversion and Skyline Ditch), The Tunnel Water Company (Laramie Poudre Tunnel Diversion and Skyline Ditch), The Divide Canal and Reservoir Company (Deadman Ditch), and the City of Greeley (Bob Creek Ditch and Columbine Ditch). Each of these diversions export water from the Laramie River basin into Water District 3.
- 2. 29,500 acre-feet per year may be diverted by Colorado irrigators (called the "meadow users") for use within the basin (Water District 48), of which not more than 1,800 acre-feet can be diverted after July 31<sup>st</sup> of each year.
- 3. Any portion of the 19,875 acre-feet per year not diverted by Colorado for use outside the basin can be added to the 29,500 acre-feet per year permitted for use within the basin.
- 4. All waters diverted by Colorado for use within the basin are restricted to irrigation use on the 4,845 acres designated by the court at the time of the decree.

The water rights description above was redacted from the Leonard Rice Engineers, Inc. memo for the South Platte Decision Support System, Key Transmountain Diversion Structures, LARAMIE POUDRE TUNNEL

# **APPENDIX C**

# **CWCB Loan Application**

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**Board and Shareholder Resolutions** 



COLORADO

Colorado Water Conservation Board

Department of Natural Resources

## Water Project Loan Program

Projects financed by the Water Project Loan Program must align with the goals identified in Colorado's Water Plan and its measurable objectives.

Application Type			
Prequalification (Attach 3 years of financial statements) VLoan Approval (Attach Loan Feasibility Study)			
Agency/Company Information			
Company / Borrower Name: The Tunnel Water Co	ompany		
Authorized Agent & Title: Dennis J. Harmon, Ger			
Address: P.O. Box 2017, Fort Collins, CO 80	9522-2017		
Phone: (970) 482-3433 Email: dharmon	n@wtrsupply.com		
Organization Type:  Vitch Co. District, Municipality Incorporated?  VES NO			
County: Larimer	Number of Shares/Taps: 450 Shares Issued & Outstanding		
Water District: N/A	Avg. Water Diverted/Yr18,000 acre-feet		
Number of Shareholders/Customers Served:	Current Assessment per Share \$_1,286 (Ditch Co)		
More than 150,000 (City of Greekey, North Weld County Water District, Water Supply & Storage Co. farms)	Average monthly water bill \$ (Municipality)		
Contact Information			
Project Representative: Dennis J. Harmon			
Phone: (970) 482-3433 Email: dharmon	n@wtrsupply.com		
Engineer: Robin Dornfest, PE/Ryan Marsters	s, PE, PG		
Phone: (720) 616-3277 Email: Robin@	LithosEng.com; Ryan@LithosEng.com		
Attorney: Brent Bartlett, Esq., Fischer, Brow	/n, Bartlett & Gunn, P.C.		
Phone: (970) 407-9000 x217 Email: brentba	rtlett@fbgpc.com		
Project Information			
Project Name: Laramie-Poudre Tunnel West-Half Rehabilitation			
Brief Description of Project: (Attach separate sheets if needed)			
Rehabilitation of the western half of the tunnel, including the replacement of aging support structures and			
the addition of new supports, rock bolts and shotcrete as required to ensure future serviceability and			
maintenance access with mining equipment.			
Project Start Date(s) Design: Underway since early 2018 Construction: Fall 2019 through April 2020			
General Location: (Attach Map of Area)			
See exhibits attached.			
Project Costs - Round to the nearest thousand			
Estimated Engineering Costs: \$1,100,000	Estimated Construction Costs: \$7,700,000		
Other Costs (Describe Above): Estimated Total Project Costs: \$8,800,000			
Requested Loan Amount: \$9,000,000.00	Requested Loan Term(10, 20, or 30 years): Thiny (30) Years		
Signature			
I GW	Return to: Finance Section Attn: Anna Mauss		
N. Th	1313 Sherman St <b>#718</b> Denver, CO 80203		
G.W.       G.W.         Jamin Jamin January       Janin January         Signature / Title       Date    Return to: Finance Section Attn: Anna Mauss  1313 Sherman St #718  Denver, CO 80203  Ph. 303/866.3449  e-mail: anna.mauss@state.co.us			
Signature / Title Date			

### RESOLUTIONS OF THE SHAREHOLDERS OF THE TUNNEL WATER COMPANY

The Shareholders of The Tunnel Water Company (Company) adopted the following resolutions concerning a secured loan from the State of Colorado Water Conservation Board (CWCB), for the purpose of rehabilitating the west half of the Laramie-Poudre Tunnel in the amount of \$9,000,000.00 or such actual amount, more or less, as may be needed by the Company and available from the CWCB including the CWCB loan origination fee of 1% of the loan amount.

The Shareholders also charged that these resolutions are irrepealable during the term of the loan and, pursuant to the Company's bylaws, authorized the President and Corporate Secretary, RESOLVED as follows.

- 1. to enter into and comply with the terms of a contract with the Colorado Water Conservation Board for a loan in the amount of \$9,000,000.00, or such actual amount, more or less, as needed to finance the project costs, including the CWCB loan origination fee of 1%, and
- 2. if collected revenues are insufficient to service annual payments due under the loan, to levy and collect assessments from the shareholders in an amount sufficient to pay the annual amounts due under the Loan Contract, and to pledge assessment revenues and the Company's right to receive said revenues in an amount sufficient to service the loan as described in the Loan Contract and Security Agreement, and
- 3. to make the annual payments required by the promissory note and to make annual deposits to a debt service reserve fund, and
- 4. to execute all documents as required by the loan contract, including, but not limited to, a Security Agreement and a Promissory Note, and
- 5. to take such other actions and to execute such other documents as may be necessary to consummate and implement the loan.

#### CERTIFICATION

THE UNDERSIGNED, THE PRESIDENT AND THE SECRETARY HEREBY CERTIFY THAT THE FOREGOING ARE TRUE AND CORRECT COPIES OF RESOLUTIONS DULY ADOPTED PURSUANT TO THE COMPANY'S BYLAWS, AND THAT SAID RESOLUTIONS HAVE NOT BEEN AMENDED OR RESCINDED.

GIVEN UNDER OUR HANDS AND THE SEAL OF THE COMPANY THE 7TH DAY OF FEBRUARY 2019.

(SEAL)

eith Amen. President

Heather Thiede, Secretary

# RESOLUTIONS OF THE BOARD OF DIRECTORS OF THE TUNNEL WATER COMPANY

The Board of Directors of The Tunnel Water Company (Company) adopted the following resolutions concerning a secured loan from the State of Colorado Water Conservation Board (CWCB), for the purpose of rehabilitating the west half of the Laramie-Poudre Tunnel in the amount of \$9,000,000.00 or such actual amount, more or less, as may be needed by the Company and available from the CWCB including the CWCB loan origination fee of 1% of the loan amount.

The Board charged that these resolutions are irrepealable during the term of the loan and, pursuant to the Company's bylaws, authorized the President and Corporate Secretary, RESOLVED as follows.

- 1. to enter into and comply with the terms of a contract with the Colorado Water Conservation Board for a loan in the amount of \$9,000,000.00 or such actual amount, more or less, as needed to finance the project costs, including the CWCB loan origination fee of 1%, and
- 2. if collected revenues are insufficient to service annual payments due under the loan, to levy and collect assessments from the shareholders in an amount sufficient to pay the annual amounts due under the Loan Contract, and to pledge assessment revenues and the Company's right to receive said revenues in an amount sufficient to service the loan as described in the Loan Contract and Security Agreement, and
- 3. to make the annual payments required by the promissory note and to make annual deposits to a debt service reserve fund, and
- 4. to execute all documents as required by the loan contract, including, but not limited to, a Security Agreement and a Promissory Note, and
- 5. to take such other actions and to execute such other documents as may be necessary to consummate and implement the loan.

### CERTIFICATION

THE UNDERSIGNED, THE PRESIDENT AND THE SECRETARY HEREBY CERTIFY THAT THE FOREGOING ARE TRUE AND CORRECT COPIES OF RESOLUTIONS DULY ADOPTED PURSUANT TO THE COMPANY'S BYLAWS, AND THAT SAID RESOLUTIONS HAVE NOT BEEN AMENDED OR RESCINDED.

GIVEN UNDER OUR HANDS AND THE SEAL OF THE COMPANY THE 7TH DAY OF FEBRUARY 2019.

(SEAL)

eith Amen, President

ATTEST:

Heather Thiede, Secretary

**APPENDIX D** 

**Financial Statements 2017-18** 

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Budgets 2018-19

Financial Statements and Independent Auditors' Report Years Ended November 30, 2018 and 2017



### CONTENTS

### FINANCIAL STATEMENTS

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Independent Auditors' Report	
Statements of Financial Position	1
Statements of Activities	2
Statements of Cash Flows	3
Notes to Financial Statements	4-7



### INDEPENDENT AUDITORS' REPORT

Board of Directors The Tunnel Water Company Fort Collins, Colorado

We have audited the accompanying financial statements of The Tunnel Water Company, a Colorado nonprofit corporation, which comprise the statements of financial position as of November 30, 2018 and 2017, and the related statements of activities and cash flows for the years then ended and the related notes to the financial statements.

### Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

### Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards required that we plan and perform the audits to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatements of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide the bases for our audit opinions.

### Opinion

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of The Tunnel Water Company as of November 30, 2018 and 2017, and the results of its operations and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Scafield & Scaffield P.C.

Centennial, Colorado January 29, 2019

# STATEMENTS OF FINANCIAL POSITION

November 30, 2018 and 2017

ASSETS		<u>2018</u>	<u>2017</u>
Current Assets Cash and cash equivalents Restricted savings Prepaid insurance Total current assets	\$	154,210 218,245 4,800 377,255	46,381 216,043 4,535 266,959
Property and Equipment Land, easements, reservoirs, and ditches Buildings and fixtures Machinery and equipment Total cost Less accumulated depreciation Net property and equipment		5,740,919 81,701 149,880 5,972,500 (1,252,439) 4,720,061	5,412,932 85,312 175,934 5,674,178 (1,227,427) 4,446,751
TOTAL ASSETS	\$	5,097,316	4,713,710
LIABILITIES AND NET ASSETS			
Current Liabilities Accounts payable and accrued liabilities Current maturities of long-term debt Deferred assessments Total current liabilities	\$	158,238 116,041 140,684 414,963	44,080 111,159 140,684 295,923
Long-Term Debt, net of current maturities	_	2,910,015	2,896,871
Net Assets Unrestricted Common stock, no par value; 450 shares authorized, issued 450 shares in 2018 and 2017 Undesignated Total net assets		1,772,338 1,772,338	1,520,916 1,520,916
TOTAL LIABILITIES AND NET ASSETS	\$	5,097,316	4,713,710

See accompanying notes to financial statements.

1

### STATEMENTS OF ACTIVITIES

Years Ended November 30, 2018 and 2017

CHANGES IN UNRESTRICTED NET ASSETS		<u>2018</u>	<u>2017</u>
Revenues	1		
Assessment income	\$	568,776	426,026
Lease and rent income		2,102	2,000
Miscellaneous income		34,694	2,193
Total revenues		605,572	430,219
Expenses			
Program expenses			
Tunnel		7,569	23,645
Rawah ditch		75,654	90,386
Supporting expenses			
Administration		50,264	46,293
Legal		11,404	5,361
Interest		123,443	123,267
Depreciation		85,816	82,812
Total expenses		354,150	371,764
Increase in unrestricted net assets		251,422	58,455
Net assets, beginning of period		1,520,916	1,462,461
Net assets, end of period	\$	1,772,338	1,520,916

See accompanying notes to financial statements.

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### STATEMENTS OF CASH FLOWS

Years Ended November 30, 2018 and 2017

		<u>2018</u>	<u>2017</u>
Cash flows from operating activities: Increase in net assets Adjustment to reconcile changes in net assets	\$	251,422	58,455
to net cash provided (used) by operating activities: Depreciation Loss from property disposals		85,816 724	82,812
Changes in operating assets and liabilities			-
Prepaid insurance Accounts payable and accrued liabilities Due to affiliate		(265) 114,158	(67) 19,104 (50,000)
Total adjustments		200,433	(50,000) 51,849
Net change in cash from operating activities		451,855	110,304
Cash flows from investing activities: Purchases of property and equipment Investment in restricted savings Net change in cash from investing activities	_	(359,850) (2,202) (362,052)	(26,559) (1,801) (28,360)
Cash flows from financing activities: New long-term loan advance Long-term debt payments Net change in cash from financing activities		129,185 (111,159) 18,026	(106,482) (106,482)
Net change in cash and cash equivalents Cash and cash equivalents at beginning of year Cash and cash equivalents at end of year	\$	107,829 46,381 154,210	(24,538) 70,919 46,381
Supplemental disclosure of cash flow data: Cash Paid For: Interest	ş	138,867	104,543

See accompanying notes to financial statements.

### NOTES TO FINANCIAL STATEMENTS

November 30, 2018 and 2017

### NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES.

A summary of the significant accounting policies consistently applied in the preparation of the accompanying consolidated financial statements follows.

<u>Nature of Activities</u> - The Tunnel Water Company (Company) is a nonprofit corporation. The Company was formed to acquire and operate a system of collection canals, lakes, reservoirs, and a tunnel, along with the necessary appurtenant facilities and equipment. That water is to be distributed to the Company's shareholders on a pro-rata basis according to stock ownership for beneficial use, including irrigation, domestic, mechanical, and other professional uses. The Company collects assessments annually from shareholders for the purpose of funding the operation and maintenance of its facilities and the acquisition of water, water rights, reservoirs, canals, and other physical facilities and equipment as the Directors deem necessary. These statements, which contain only the activity of The Tunnel Water Company, are included in the consolidated statements of The Water Supply and Storage Company.

<u>Basis of Accounting</u> - The financial statements have been prepared on the accrual basis of accounting and, accordingly, reflect all significant receivables, payables and other liabilities.

<u>Basis of Presentation</u> – The financial statement presentation follows the recommendations of the Financial Accounting Standards Board in its Accounting Standards Codification (ASC 958), *Financial Statements of Not-for-Profit Companies*. Under (ASC 958) the Company is required to report information regarding their financial position and activities according to three classes of net assets: unrestricted net assets, temporarily restricted net assets, and permanently restricted net assets.

<u>Use of Estimates</u> - The preparation of financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the financial statements and reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

<u>Reclassification</u> – Certain reclassifications have been made to the prior year's financial statements to conform to the current year's presentation.

<u>Cash and Cash Equivalents</u> - For purposes of the statements of cash flows, the Company considers all highly liquid investments with a maturity of three months of less to be cash equivalents.

<u>Member Assessments</u> - Each year, management estimates the succeeding years operating expenses and debt service and establishes annual member assessments necessary to maintain operations and service debt. Members are billed in the first quarter of the fiscal year for their share of the annual member assessments based on their proportionate ownership of common stock.

Assessments are considered to be available for unrestricted use. Debt assessments are restricted for debt service although the restriction is satisfied in the same time period the assessments are received. Therefore, the Company reports debt assessments as unrestricted revenue.

The Tunnel Water Company historically has not had any unpaid assessments. Therefore, all accounts receivable are considered collectible. In the event any assessments remain unpaid, water delivery can be suspended until the assessments are paid. Additionally, the assessments are secured by the members' ownership. The value of this ownership is significantly greater than the annual assessments.

### NOTES TO FINANCIAL STATEMENTS November 30, 2018 and 2017

### NOTE 1 - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

<u>Property and Equipment</u> –Property and equipment is stated at historical cost. The Company's policy is to capitalize expenditures for property and equipment in excess of \$500. Property and equipment are depreciated using the straight-line method over the following estimated lives:

Reservoirs and ditches	90 years
Buildings	40 years
Furniture and fixtures	5-10 years
Machinery and equipment	5-10 years

<u>Income Taxes</u> - The Company operates as a non-profit organization and is exempt from federal income taxes under section 501(c)(12) of the Internal Revenue Code.

While the Company qualifies for exempt status it is required to make the appropriate tax payments on any income considered unrelated to its exempt purpose. There was no unrelated business income for the years ended November 30, 2018 and 2017, and as a result, there was no income tax liability.

The Company applies the provisions of FASB ASC Topic 740, Income Taxes, which prescribes a recognition threshold and measurement attribute for financial statement recognition and measurement of a tax position taken or expected to be taken in a tax return. This standard also provides guidance on derecognition, classification, interest and penalties, accounting in interim periods, disclosure, and transition. For the years ended November 30, 2018 and 2017, the Company does not believe it has any uncertain tax positions or any related penalties and interest, therefore no recognition of uncertain tax positions is reflected in the financial statements.

The Company's Forms 990, Return of Company Exempt from Income Tax, for the years ending 2015, 2016, and 2017 are subject to examination by the IRS, generally for three years after they were filed.

### NOTE 2 – RESTRICTED SAVINGS

The restricted savings is held to satisfy the debt service reserve fund requirements of the security agreement with the Colorado Water Conservation Board and resides in a certificate of deposit and savings account.

### NOTE 3 - LONG-TERM DEBT

Long-term debt consists of notes payable to the Colorado Water Conservation Board to finance a portion of the costs of rehabilitation and restoration of a water diversion tunnel that partially collapsed in 2000 and to extend the service life and improve maintenance access for the Laramie – Poudre tunnel.

# NOTES TO FINANCIAL STATEMENTS

November 30, 2018 and 2017

Long-term debt follows:

	<u>2018</u>	<u>2017</u>
Note payable dated November 24, 2003, due in equal annual installments of \$112,799, including interest at 4.3%, through maturity on December 1, 2032	\$ 1,165,305	1,225,412
Note payable dated December 14, 2000, due in equal annual installments of \$98,226, including interest at 4.5%, through maturity on December 1, 2032	997,263	1,048,315
Note payable dated October 21, 2015, due in equal annual installments of \$82,582, including interest at 2.55%, for 30 years. First payment is due one year after the Colorado Water Conservation Board (CWCB) determines that the project is substantially complete. The project was not		
complete on November 30, 2018.	863,488	734,303
Total	3,026,056	3,008,030
Less current maturities	 116,041	111,159
Long-term maturities	\$ 2,910,015	2,896,871

Security for the notes payable consists of a deed of trust granting a 100% undivided interest in the water and water rights available to the Laramie River System of the Company together with an easement for the Laramie-Poudre Tunnel and a security interest in all assessments authorized for the purpose of repayment of the loans. Provisions of the loan agreements set forth a variety of restrictive covenants including the requirement to fund a debt service reserve fund equal to one-tenth of one annual payment of interest and principal during the first ten years of the loan. At November 30, 2018 and 2017 the debt service reserve fund was funded in accordance with the terms of the agreement and is included in restricted savings.

Interest expense on notes payable of \$123,443 and \$123,267 for 2018 and 2017, respectively, is reflected in the statements of activities.

Aggregate annual principal payments of long-term debt for years subsequent to November 30, 2018 are as follows:

Year ending November 30,	
2019	\$ 116,041
2020	174,572
2021	179,893
2022	185,447
2023	191,245
Thereafter	 2,178,858
Total	\$ 3,026,056

### NOTES TO FINANCIAL STATEMENTS

November 30, 2018 and 2017

### **NOTE 4 - TRANSACTIONS WITH AFFILIATE**

Two-thirds of the Company's stock is owned by The Water Supply and Storage Company ("WSSC"). Both WSSC and The Tunnel Water Company share three common board members and management.

During the years ended November 30, 2018 and 2017, assessment income was received from WSSC as follows:

	<u>2018</u>	<u>2017</u>
Assessments for,		
Operations and maintenance	\$ 210,000	143,333
Debt service	 169,184	140,684
	\$ 379,184	284,017

WSSC provides payroll, facilities and other services to The Tunnel Water Company in the ordinary course of business. During the years ended November 30, 2018 and 2017, respectively, the Company made payments of \$86,523 and \$100,618 to WSSC

At November 30, 2018 and 2017, respectively, the Company has recorded the following amounts due to and prepaid by WSSC:

	<u>2018</u>	<u>2017</u>
Deferred assessments - next year's assessments received in advance	\$ 140,684	140,684

### NOTE 5 – CONCENTRATION OF CREDIT RISK

The Company maintains various accounts with one financial institution. Balances, at times, may exceed federally insured limits. The Company believes that its loss exposure is limited.

### NOTE 6 – SUBSEQUENT EVENTS

The Company has evaluated subsequent events through January 29, 2019, which is the date the financial statements were available to be issued. There were no events that required adjustments to or disclosure in these consolidated financial statements.

# The Tunnel Water Company Proposed Budget FY 18-19 (Unaudited/Cash Basis)

Description	Budget 18/19
Revenues	
Assessment Income	340,000
Assmt for CWCB debt service	
2002	211,026
2015	39,898
2018	27,717
Lease Income	2,000
Oil Royalty Income Misc. Income	750 0
Interest Income	0
Subtotal - Income	621,391
Expenditures	
Office Salaries	14,026
Office Expense & Rent Bank Charges	1,000
Telephone	100 1,000
Legal	3,000
Engineering	9,391
Auditing & Tax Prep.	6,500
Workmans' Comp.	2,000
Insurance	7,500
FICA/Alloc PR taxes	5,667
Taxes & Licenses	850
Commissary	7,704
House Supplies Internet & TV	750
Tunnel R&M	1,500 1,500
Larimie-Poudre Building Repair	6,500
Misc Exp	500
Shop Supplies	500
Rawah Ditch - Salary	33,336
Rawah Ditch - Labor Salaries	23,750
Rawah Ditch - Gas & Oil	12,500
Rawah Ditch - Truck Repairs	3,500
Rawah Ditch - Mach. Repair	5,000
Rawah Ditch - Ditch Repairs USDA FS SUP Fees	20,000 1,045
Interest Expense - CWCB '02 Loans	94,985
Subtotal - Expenditures	264,104
Capital Expenditures:	-
West Portal	(940 759)
East Portal Proceeds, CWCB loan- Portals Loan	(849,758) 836,141
Froceeds, OVICD Idan- Fonais Loan	000,141
West Half Project	(1,681,639)
Proceeds, CWCB loan- West Half	1,700,000
Head Gate on Inlet Channel	(190,860)
Other Equipment	(5,000)
Net before Prin. Paid on CWCB	166,171
Less: Principal on 2002 CWCB notes	(116,041)
Debt Svc - East Portal 2015 Ioan	(39,898)
Debt Svc - West Half 2018 loan	(27,717)
Net Rev. over(under) Exp.	(17,485)

# **APPENDIX E**

**Insurance Certificate** 



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 8/31/2018

CE BE RE	ERTIFICATE DOES NO ELOW. THIS CERTIFI EPRESENTATIVE OR F	DT AFFIRMATI ICATE OF INS PRODUCER, AN	VEL' URA ID TI	Y OR NCE HE CI		EXTEI TE A C	ND OR ALT	ER THE CO BETWEEN T	VERAGE AFFORDED B HE ISSUING INSURER(	Y THE S), AU	POLICIES
If .	SUBROGATION IS WA	AIVED, subject	to th	ne ter	ITIONAL INSURED, the p ms and conditions of th ficate holder in lieu of su	e polic ich en	cy, certain p dorsement(s	olicies may a			
	oucer N Insurance					CONTA NAME: PHONE		4 4000	FAX		
	5 Center Green Drive ulder CO 80301	e Suite 120				E-MAIL ADDRE	p, Ext); 303-44	4-4666	(A/C, No):	303-44	4-8481
pot						RODINE		SURER(S) AFFOR	DING COVERAGE		NAIC #
200						INSURE	RA: America	n Alternative	Insurance Corp		19720
The	RED e Water Supply & Stor		WATE	SUP-01		INSURE	Re: Pinnaco	l Assurance C	Company		41190
Тил	nel Water Co. & Jack ). Box 2017	kson Ditch				INSURE					
	t Collins CO 80522					INSURE					
						INSURE					
	ERAGES				NUMBER: 695786185				REVISION NUMBER:		
IN CE	DICATED. NOTWITHSTA ERTIFICATE MAY BE ISS	ANDING ANY RE SUED OR MAY I		EMEI	NANCE LISTED BELOW HAY NT., TERM OR CONDITION THE INSURANCE AFFORD LIMITS SHOWN MAY HAVE	OF AN	Y CONTRACT	OR OTHER I	DOCUMENT WITH RESPEC	T TO	WHICH THIS
INSR LTR	TYPE OF INSUR	ANCE	ADDL	SUBR WVD	POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	5	
A	X COMMERCIAL GENERA		Y		GPPA-PF-6051396-08000		8/1/2018	8/1/2019	EACH OCCURRENCE	\$ 1,000 \$ 1,000	
									PREMISES (Es occurrence) MED EXP (Any one person)	\$ 10.00	
									PERSONAL & ADV INJURY	\$ 1,000	
	GEN'L AGGREGATE LIMIT A	PPLIES PER:							GENERAL AGGREGATE	\$ 3,000	,000,
		LOC							PRODUCTS - COMP/OP AGG	\$ 3,000	000
A	OTHER:				GPPA-PF-6051396-08000		8/1/2016	8/1/2019	COMBINED SINGLE LIMIT	s \$ 1.000	1000
	X ANY AUTO				GFFA+FF+6051356+06000		0/1/2010	0/1/2019	(Ea accident) BODILY INJURY (Per person)	\$ 1000	
	OWNED AUTOS ONLY	SCHEDULED AUTOS							BODILY INJURY (Per accident)	\$	
	HIRED AUTOS ONLY	NON-OWNED AUTOS ONLY							PROPERTY DAMAGE (Per accident)	S	
										\$	
A	┝━┅┤	X OCCUR			GPPA-PF-6051396-08000		8/1/2018	8/1/2019	EACH OCCURRENCE	\$ 10,00	
	EXCESS LIAB	CLAIMS-MADE							AGGREGATE	\$ 10,00	00,000
B	DED RETENTIO		<u> </u>		88802		11/1/2017	11/1/2018	X PER OTH-	\$	
	AND EMPLOYERS' LIABILITY ANYPROPRIETOR/PARTNER/I		N/A						E.L. EACH ACCIDENT	s 500,0	000
	OFFICER/MEMBER EXCLUDED (Mandatory In NH)		NIA						E.L. DISEASE - EA EMPLOYEE	\$ 500,0	000
	If yes, describe under DESCRIPTION OF OPERATIO	DNS below					ļ		E.L. DISEASE - POLICY LIMIT	\$ 500,0	000
								]			
Cer	CRIPTION OF OPERATIONS / L tificate Holder is hereby Named Insured.	ocations / vehici named as an A	LES (/ dditic	acoro Inal Ir	+101, Additional Remarks Schedu nsured, but only in respect	ile, may t s to the	e attached If mo General Lial	re space is require bility portion o	od) f this certificate and limited	d to the	operations of
CEF	RTIFICATE HOLDER					CAN	CELLATION				
		ater Conservat an St Suite 71		Board	d	THE	E EXPIRATIO	N DATE TH	DESCRIBED POLICIES BE C EREOF, NOTICE WILL I CY PROVISIONS.		
	Denver CO 8		-			AUTHO	DRIZED REPRES	ENTATIVE			
	USA						Jam	en H	ing and the second s		
	© 1988-2015 ACORD CORPORATION. All rights reserved.										

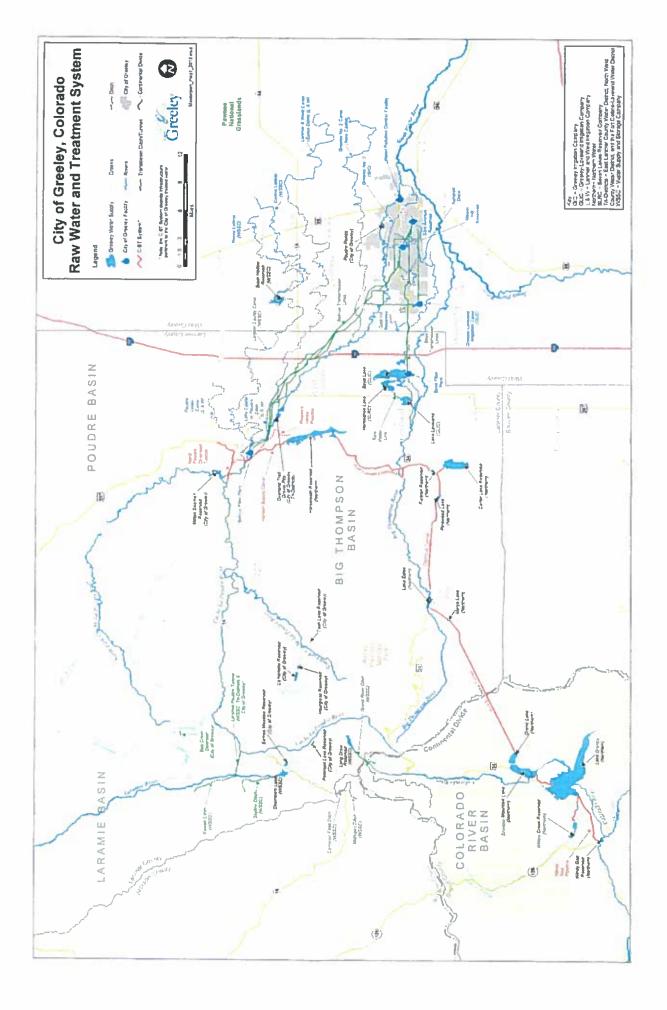
The ACORD name and logo are registered marks of ACORD

# **APPENDIX F**

Maps of Service Area

### SERVICE AREA:

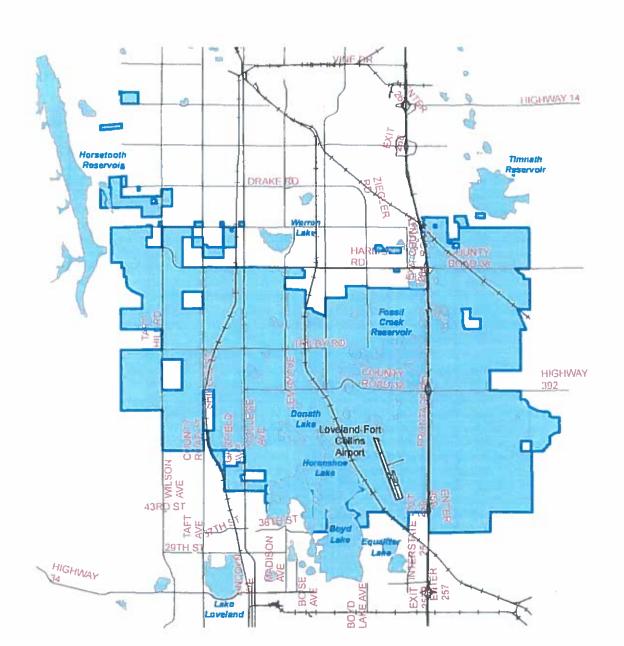
The water diverted by Tunnel Water Company serves agricultural interests under the Larimer County Canal from the Cache la Poudre River to several miles east of Highway 85 near Pierce and Ault, as well as the residential and industrial users served by the City of Greeley, North Weld County Water District and Fort Collins-Loveland Water District. See maps attached of the service areas of Greeley and the two water districts.

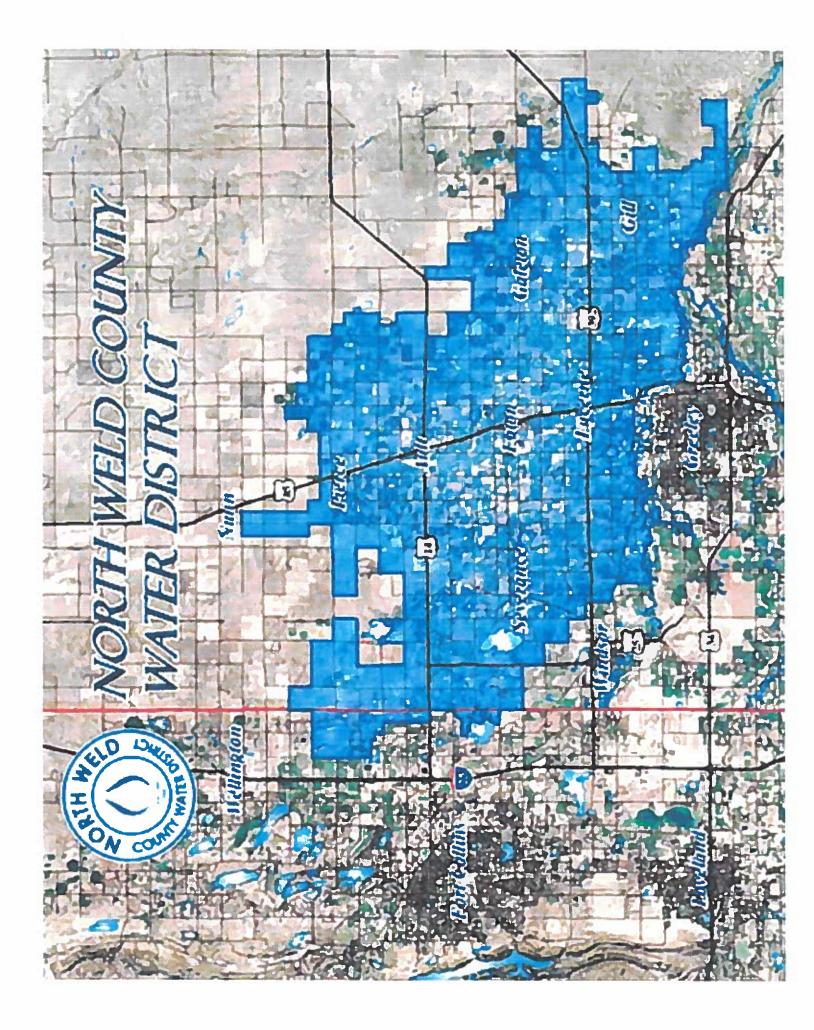




# Fort Collins-Loveland Water District

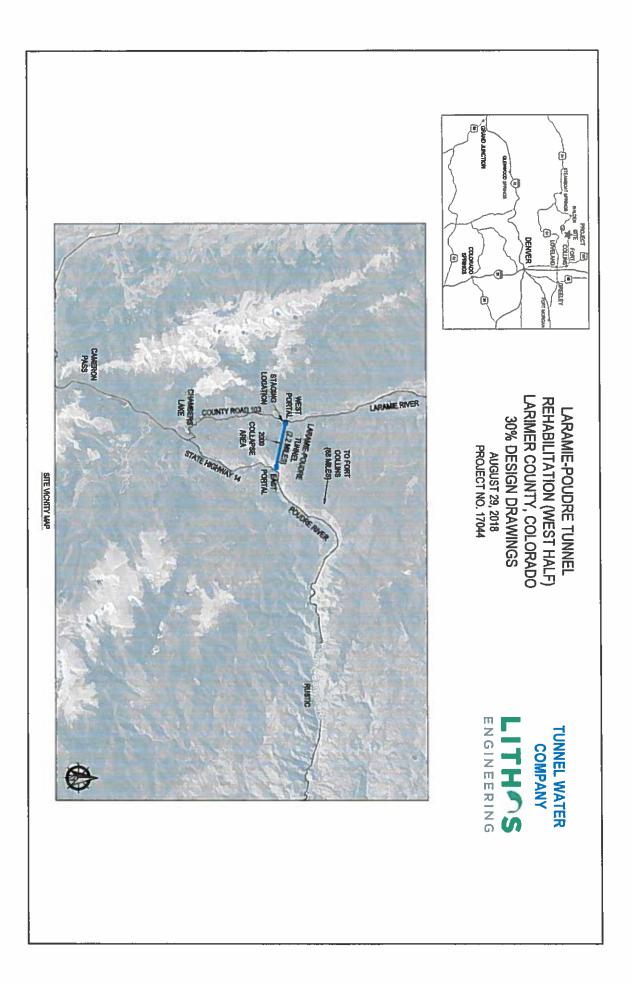
Service Area 2015

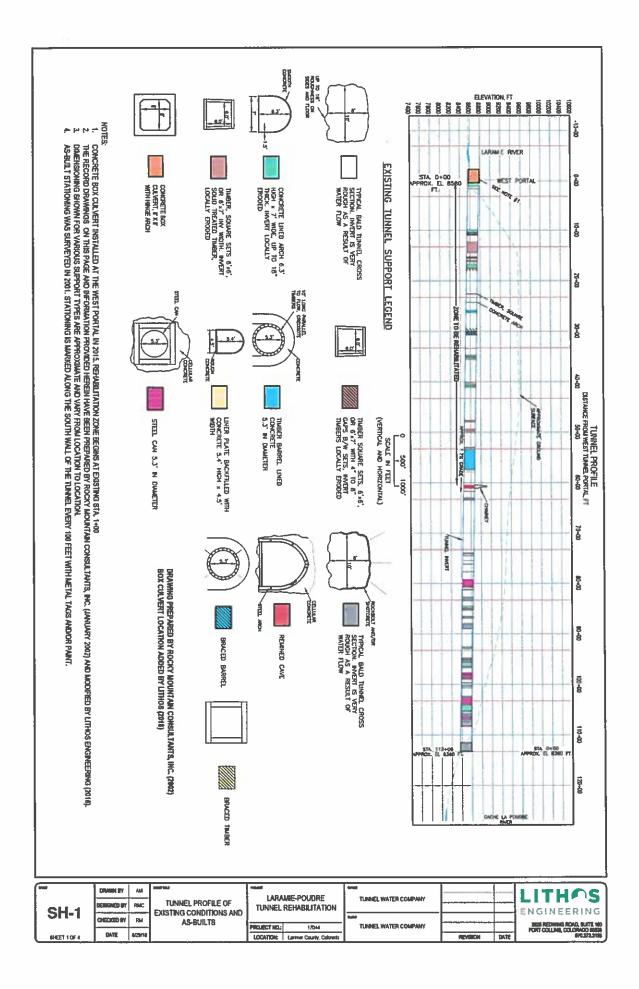


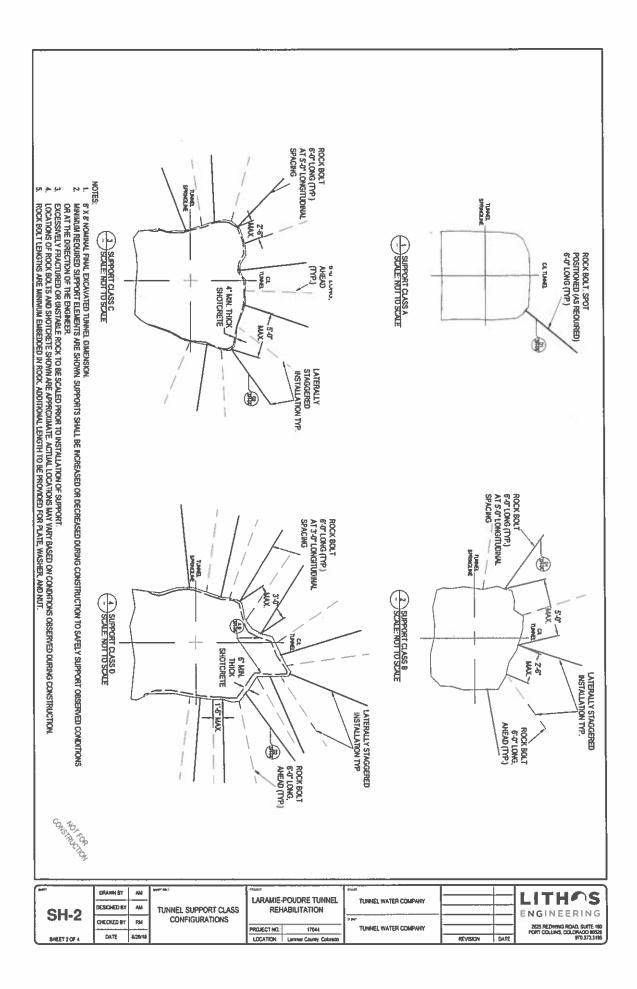


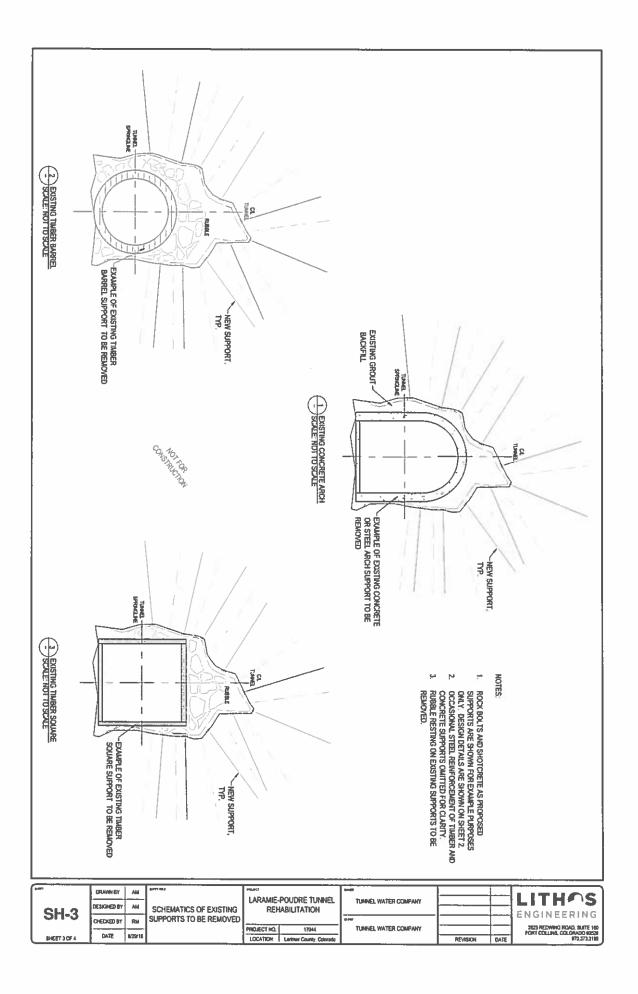
# **APPENDIX G**

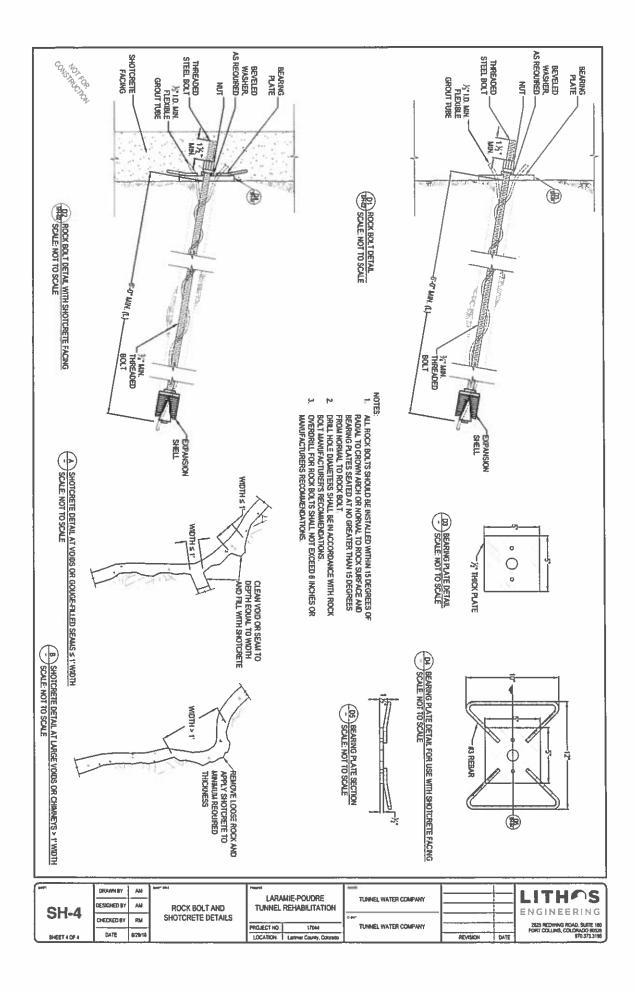
**Preliminary Plan Drawings** 











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2625 Redwing Road, Suite 160 Fort Collins, Colorado 80526 970.373.3195 www.LithosEng.com

November 19, 2018 Project No.: 17044

4

Tunnel Water Company P.O. Box 2017 Fort Collins, Colorado 80522-2017

Attention: Mr. Dennis Harmon General Manager

Regarding: Proposal for Construction Management Services Rehabilitation of the Western Half of the Laramie–Poudre Tunnel Larimer County, Colorado

Mr. Harmon,

Lithos Engineering (Lithos) is pleased to provide this proposal to the Tunnel Water Company (TWC) for construction management services for the approximate western half of the Laramie-Poudre Tunnel. This proposal was prepared based on our experience with the project during the rehabilitation evaluation, design phase, and selection of a Construction Manager at Risk (CMAR).

### Background

The Laramie-Poudre Tunnel conveys water from the Laramie River eastwards beneath mountainous terrain to the Cache la Poudre River near Kinikinik in Larimer County, Colorado roughly 40 miles due west of Fort Collins, Colorado. For a detailed history of the tunnel and previous work conducted, please refer to the report titled "Rehabilitation Alternatives Evaluation, Laramie-Poudre Tunnel", Lithos Engineering, 2018.

Due to the age of the tunnel, tunnel crown failures, and diminished operation capacity and access, the TWC has elected to rehabilitate the approximate western half of the tunnel through conventional mining and support methods. In general, the work is to include excavating portions of the west half of the tunnel to an approximate 8-foot wide by 8-foot tall cross-section and installing support systems as needed comprised of rock bolts, mine straps, beams, shotcrete, and other support elements ("conventional support") as necessary to reduce the risks of future impacts to the long-term operational capacity of the west half of the tunnel. The eastern half of the tunnel was rehabilitated after a collapse in 2000 and is in significantly better condition than the western half and is therefore not to be included in this project.

The TWC elected to implement a CMAR project delivery system for the rehabilitation of the western half of the tunnel. A CMAR delivery method first involves an engineer preparing a preliminary design, typically to about the 30 percent level. The owner and engineer then select a contractor to serve as the CMAR based on qualifications and a rough order of magnitude of construction costs, based on the preliminary design. Once selected, the CMAR will work with the team through final design, providing input on constructability, costs and schedule. At the 90 percent design level, the CMAR will provide the TWC a Guaranteed Maximum Price (GMP) for construction. The CMAR will provide their services during the Tunnel Water Company

design process based on their contract for that portion of the project, while the construction contract will be based on the agreed upon GMP.

The CMAR delivery method is designed to promote a collaborative working environment between all parties, provide the contractor with early involvement in the design process, increase efficiency, set a fair GMP prior to construction, and reduce potential for construction cost overruns and litigative risk to the owner.

In November 2018, TWC selected Harrison Western Construction Company (HWCC) as the CMAR. Lithos is presently working with HWCC on furthering the rehabilitation design prior to the start of construction scheduled for September 2019, or whenever water shutoff occurs.

Rehabilitation will seek to stabilize the western 6,300 linear feet of the tunnel, reduce the risk of future failures like those that have been experienced in the past, and remove existing tunnel constrictions that will improve hydraulics and tunnel access for future maintenance and service. Construction will start downstream of the box culverts at the western portal and proceed eastward toward the tunnel mid-point (approximately 6,300 linear feet). Lithos envisions construction will include:

- Removing the majority or all the existing tunnel support;
- Re-mining of limited access zones to 8 feet x 8 feet minimum dimensions;
- Invert mucking and pouring of a partial invert slab concurrent with re-mining to facilitate equipment access; and
- Applying shotcrete, pattern bolts, spot bolts, and other support elements in all zones identified as at-risk.

The extent of mitigation will be further evaluated and quantified during the design phase.

### Proposed Scope of Work

The proposed scope of work outlined below is for construction management services. These services are to commence approximately August 2019 after development of a GMP and final design under Lithos' current contract. We assume construction will be completed May 2020 and Lithos' scope will be concluded at the end of Task 5 below.

### 1. Field Engineering and Oversight

Lithos will place qualified engineering staff on site to implement the design, document quantities of materials used and excavated, record daily CMAR progress, perform spot evaluations of support needs, map/assess geologic conditions behind existing support, inspect finished support installed by the CMAR, respond to CMAR design requests and RFIs, review and approve pay applications, and facilitate coordination between TWC, Lithos and the CMAR. The field engineer will prepare a daily field report for each shift worked summarizing daily tasks.

The fee for this task includes:

- Field Engineers
  - o Lithos assumes 245 work days with 12-hour shifts.
    - Based on HWCC's submitted schedule, approximately 34 weeks (235 days) are required for tunnel construction with an additional 5 weeks allotted for mobilization and demobilization.



- A field engineer will be onsite daily during construction and once a week during mobilization, setup, and de-mobilization. An additional 5 days are included as a contingency.
- Weekly commute and transportation. We propose to staff this task with two field engineers rotating 7-day shifts throughout construction.
- HWCC proposes to work two 12-hour shifts each day. Lithos' field engineer will work one 12-hour shift, with the option to stagger shift times to overlap both CMAR shifts, depending on the relative importance of daily construction tasks, and maintain schedule flexibility to best serve the project needs.
- Project Engineer
  - Lithos assumes weekly site visits during active tunnel construction, totaling 34 weeks. We have allotted an additional 2 hours per week to review daily tunnel progress and assist the Field Engineer.
- Senior Review/Specialty Consulting
  - Lithos has budgeted for bi-weekly visits by the project principal and for monthly visits by a senior engineer. This will help to maintain the integrity of the design, promote project coordination and flow, and allow senior designers to review problematic construction zones and aid in the implementation of a suitable field design.

This task includes all direct overhead costs for the above personnel, including lodging, per diem, transportation, and field supplies.

### 2. Progress Meetings

This task includes time for meeting with the project team throughout the course of construction. This task is intended to allow for a clear line of communication for project work, schedule(s), challenges, and needs throughout the project duration. Budget for this task includes:

- Bi-weekly meetings for the principal, senior engineer, and project engineer.
- Meetings are assumed to last no longer than two hours each and are to be conducted via teleconference or at the project location. Lithos assumes on-site meetings will be conducted during the same trip as site visits described in Task 1 and will not incur additional driving time or mileage.

### 3. Supplementary Design

Lithos anticipates the bulk of design will be conducted during the design-phase contract leading up to the GMP. However, Lithos recognizes there are challenges that might be encountered during construction and as existing support is removed. In addition, the CMAR might opt to economize support installed in various areas and need the design team to verify the robustness of the support. Working in a collaborative environment with the selected CMAR on tunnel support methods, Lithos will:

- Prepare tunnel support designs and develop design drawings as required by the CMAR and encountered, unforeseen ground conditions.
- This task includes development of any supplementary design elements which differ from the primary support classifications/patterns implemented prior to development of the GMP. This does not include a full redesign of primary support should the CMAR's proposed means and methods prove inadequate.



During this process, the CMAR will be required to concurrently evaluate costs and schedule impacts related to the design elements and track the anticipated construction costs and schedule.

#### 4. Project Management

This task includes all time required to manage the project, including review of pay applications, invoices, contracts, and time and expenses billed. In addition, this task includes weekly reviews of project resources, including personnel. We have allotted 1 hour per week for 39 weeks each for the project manager and project principal. We've budgeted an additional 2 hours per month for 8 months for the project principal to review/submit invoices and billing.

### 5. Close Out Report and As-Builts

Lithos will compile a final construction closeout report for the project that contains a summary of the asbuilt conditions, variations from the construction drawings, daily field reports, RFI's, submittals, pay applications, and select project photographs. In addition, Lithos will subcontract Ayres to provide a post construction LIDAR survey that will be utilized to create As-Built drawings for the western half.

### Fee Estimate

Based on our proposed Scope of Services outlined above, we estimate a total fee for our services of in accordance with the attached detailed fee estimate. This amount will not be exceeded without explicit written approval from the TWC. Lithos proposes to provide these services on a time and expense basis in accordance with the attached Fee Schedule and Terms and Conditions. This letter and the attachments will constitute our agreement.

### Closing

We appreciate the opportunity to propose on this project and look forward to working closely with the TWC and the selected CMAR to deliver a unique and challenging project. For this project, Robin Dornfest will be your key contact as the Principal-in-Charge and will be assisted by Ryan Marsters as the Project Manager. If you have any questions regarding the contents of this proposal, please contact the undersigned.

Sincerely, Lithos Engineering

Ryan Marsters, PE, PG Associate

Robin Dornfest, PG, CPG President

Attachments (3): Fee Estimate, Fee Schedule, and Standard Terms and Conditions

If you understand and accept the terms of this proposal, please sign below:
Accepted by:
Printed Name:
Date:



Project Name: Laramie Poudre Tunnel Rehab - Construction Phase Project Number: 17044 Date: 11/13/2018

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LABOR												
No.	Phase	President/ Senior Consultant	Vice President	Senior Project Manager	Project Manager	Senior Professional	Professional	Staff Professional 2	Staff Professional 1	Administrative	Hours per	
	Rate/Hr	\$ 200	\$ 180	\$ 170	\$ 160	\$ 135	\$ 110	\$ 100	\$ 85	\$ 65	Task	
1	Field Engineering and Oversight	240		96		486	3408				4230	
. 2	Progress Meetings	40		40		40					120	
3	Supplementary Design	40		40		40	20				140	
	Project Management	55				39		1			94	
5	Close Out Report and As-builts	8				24	80				112	
	Fee Schedule (197)										Total Hours	
	Labor Fees per Position	\$ 76,600	\$ -	\$ 29,920	\$ -	\$ 84,915	\$ 385,880	\$ -	\$ -	\$ -	4696	

### SUBCONSULTANTS and DIRECT COSTS

Na.	Phase		 Driller		Lab Testing		Survey			Fi	es per Task		Aileage 0.70/mi	Pe	r Diem	Lodgi	18	Fiel		Fees	per Tasi
	Field Engineering and Oversight									\$	- 58 -		49810	\$	18,408	\$ 39	,150	\$	1,000	\$	93,425
:	Progress Meetings							1.1		5			1.12	_		1				\$	24
3	Supplementary Design		111							\$	1.+									\$	1.0
1	Project Management									\$	S4 -									\$	-
	Close Out Report and As-builts					\$	46,000		1000	\$	46,000		560	\$	150			-	10 B	\$	542
	Su	total	\$	\$		\$	46,000	\$		\$	46,000	\$	35,259	\$	18,558	\$ 39	,150	5	1,000	\$	93,967
	Marku	12%	\$ (4)	5	-	\$	5,520	\$	+	5	5,520			5	2,227	\$ 4	,698	\$	120	\$	7,045
		Total	\$	5	1.00	\$	51,520	\$				\$	35,259	5	20,785	\$ 43	,848	5	1,120		
· · · ·						T			otal Si	apcou	nsultants										
						\$ 51,520					\$ 51,520				Total Direct Cos			i Costs	\$ 1	01,012	

0.	Phase	 Labor	Subconsu	ultants		irect Costs	 Total
	1 Field Engineering and Oversight	\$ 504,810			\$	93,425	\$ 598,235
	2 Progress Meetings	\$ 20,200		- 100	-		\$ 20,200
	3 Supplementary Design	\$ 22,400					\$ 22,400
	4 Project Management	\$ 16,265					\$ 16,265
	5 Close Out Report and As-builts	\$ 13,640	\$	46,000	\$	542	\$ 60,182
	Markup 12%		\$	5,520	\$	7,045	\$ 12,565
	Total	\$ 577,315	\$	51,520	\$	101,012	\$ 729,847



### FEE SCHEDULE 2019

1. Services will be billed on the time worked by staff personnel as follows unless noted otherwise in the proposal or contract. Overtime hours will be charged a straight time rates.

President/Senior Consultant	\$200
Vice President	\$180
Senior Project Manager	\$175
Project Manager	\$160
Senior Professional	\$135
Professional	\$110
Staff Professional 2	\$100
Staff Professional 1	\$85
Administrative	\$65

- 2. Direct non-salary expenses will be billed at Lithos Engineering's cost plus a twelve (12) percent markup for the following:
  - a. Reproduction and printing costs for project-related documents
  - b. Transportation and subsistence costs for travel including: rental cars, truck, boats, trains, and other public carriers.
  - c. Express delivers such as UPS.
- 3. Mileage for use of personal or company vehicles will be billed at \$0.70/mile.
- 4. Subcontractors retained by Lithos Engineering for project-related services will be billed at our cost plus 12 (twelve) percent.
- 5. Payment: Invoices will be submitted about once a month unless otherwise noted in the proposal or contract for services performed. Payment is due upon receipt of the invoice. Interest of two (2) percent per month may be added to the outstanding balance on invoices older than 30 days. In the event that Lithos Engineering must engage collection services to receive payment, Client will reimburse Lithos Engineering for all reasonable collection, attorney's, and court fees.
- 6. Billing rates are subject to change at any time unless otherwise noted in the proposal or contract.



### STANDARD TERMS AND CONDITIONS 2018

### SECTION 1: Scope of Work

Lithos Engineering, LLC (hereafter referred to as Lithos) shall perform the services defined in the contract and shall invoice the client for those services at the fee schedule rates or percentage of the fixed contract amount based on work completed. Any cost estimates stated in this contract shall not be considered as a firm figure unless otherwise specifically stated in this contract. If unexpected site conditions are discovered, the scope of work may change. Lithos will provide additional services at the contract fee schedule rate.

### **SECTION 2: Access to Sites**

Unless otherwise agreed, the client will furnish Lithos with right-of-access to the site in order to conduct the planned investigation. While Lithos will take reasonable precautions to minimize any damage to the property, it is understood by the client that in the normal course of work some damage may occur, the restoration of which is not part of this agreement.

In the performance of its work, Lithos will take reasonable precautions to avoid damage or injury to underground structures or utilities. The client agrees to hold Lithos harmless and indemnify Lithos for any claims, payments or other liability, including costs and attorney fees incurred by Lithos for any damages to underground structures which are not called to Lithos attention and correctly shown on the plans furnished to Lithos.

### **SECTION 3: Unanticipated Hazardous Materials**

It shall be the duty of the client to advise Lithos of any known or suspected hazardous substances which are or may be related to the services provided. Such hazardous substances include but are not limited to products, materials, by-products, wastes or samples of the foregoing which Lithos may be provided or obtain performing its services or which exist or may exist on or near any premises upon which work is to be performed by Lithos employees, agents or subcontractors.

If during the course of providing services Lithos observes or suspects the existence of unanticipated hazardous materials, Lithos may at its option terminate further work on the project and notify client of the condition. Services will be resumed only after a renegotiation of scope of services and fees. In the event that such renegotiation cannot occur to the satisfaction of Lithos, Lithos may, at its option, terminate this contract.

It is understood and agreed that Lithos is not, and has no responsibility as, a handler, generator, operator, treater or storer, transporter or disposer of hazardous or toxic substances found or identified at a site, and that Client shall undertake or arrange for the handling, removal, treatment, storage, transportation and disposal of hazardous substances or constituents found or identified at a site.

### **SECTION 4: Invoices and Payment**

Lithos will submit invoices to the client monthly and a final bill upon completion of services. Payment is due upon presentation of invoice and is past due thirty (30) days from the invoice date. Client agrees to pay a finance charge of one and two percent (2%) per month, but not exceeding the maximum rate allowed by law, on past due accounts.

### **SECTION 5: Ownership of Documents**

All reports, boring logs, field data, field notes, laboratory test data, calculations, estimates, and other documents prepared by Lithos as instruments of service, shall remain the property of Lithos unless there are other contractual agreements. Any and all unauthorized reuse of Lithos' Instruments of Service will be at the Owner's sole risk and without liability to the Consultant.

### **SECTION 6: Standard of Care**

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Services performed by Lithos under this Agreement will be conducted in the manner consistent with that level of care and skill ordinarily exercised by members of the profession currently practicing under similar conditions. No other warranty, express or implied, is made or intended by the proposal for consulting services or by furnishing oral or written reports of the findings made.

The client recognizes that subsurface conditions may vary from those encountered at the location where borings, surveys, or explorations are made by Lithos and that the data, interpretations, and recommendations of Lithos are based solely upon the data available to Lithos. Lithos will be responsible for those data, interpretations, and recommendations, but shall not be responsible for the interpretation by others of the information developed.

### **SECTION 7: Confidentiality**

Lithos shall hold confidential all business or technical information obtained from the client or his affiliates or generated in the performance of services under this agreement and identified in writing by the client as "confidential". Lithos shall not disclose such information without the client's consent except to the extent required for 1) Performance of services under this agreement; 2) Compliance with professional standards of conduct for preservation of public safety, health, and welfare; 3) Compliance with any court order or other governmental directive and/or 4) Protection of Lithos against claims or liabilities arising from performance of services under this agreement. Lithos obligations hereunder shall not apply to information in the public domain or lawfully acquired on a non-confidential basis from others.

### **SECTION 8: Limitation of Liability**

The client agrees to limit the liability of Lithos and Lithos' officers, directors, partners, employees, shareholders, owners, and subconsultants to the owner and all other parties arising from Lithos performance of services such that the total aggregate liability of Lithos shall not exceed \$50,000 or Lithos' total fee for the services rendered on this project, whichever is greater, and client agrees to indemnify and hold harmless Lithos and Lithos' officers, directors, partners, employees, shareholders, owners, and subconsultants from and against all liabilities in excess of this monetary limit. The owner further agrees to require of the contractor and his subcontractors an identical limitation of Lithos liability for damages offered by the contractor or the subcontractor arising from Lithos professional acts, errors, or omissions. Neither the contractor nor any of its subcontractors assumes any liability for damages to others which may arise on account of Lithos professional acts, errors or omissions.

The limitations on liability and indemnities in this agreement are business understandings between the parties voluntarily and knowingly entered into, and shall apply to all theories of recovery including, but not limited to, breach of contract, warranty, tort (including negligence), strict or statutory liability, or any other cause of action, except for willful misconduct or gross negligence.

### SECTION 9: Insurance

**9.1** Lithos represents that it and its staff are protected by worker's compensation insurance and that Lithos has such coverage under public liability and property damage insurance policies which Lithos deems to be adequate. It is the policy of Lithos to require certificates of insurance from all consultants or subcontractors employed by Lithos. Certificates for all such policies of insurance will be provided to client upon request in writing. Client agrees that the Company will not be liable or responsible for any loss or damage beyond the amounts, limits, exclusions, terms and conditions of such insurance.

- a. Professional Liability: Insurance claims made and in the aggregate: \$1,000,000
- b. Commercial General Liability: \$1,000,000 per occurrence and in aggregate \$2,000,000

c. Workers Compensation and Employer's Liability Insurance: Employer's liability shall be an amount not less than \$1,000,000 for each accident for bodily injury and disease.

d. Automobile Liability: Combined single limit each accident \$1,000,000.

**9.2** Additional Coverage. Client may request that the Company obtain insurance coverage broader or higher than the Company's existing coverage through project-specific insurance, if available, provided that Client shall pay an additional fee based on the additional premium cost.



### SECTION 10: Indemnity

Within the limits and conditions of such insurance set out in SECTION 9, Lithos agrees to indemnify and save client harmless from and against any loss, damage, injury, or liability arising out of the negligence of Lithos or its subcontractors. Lithos shall not be responsible for any loss, damage, or liability arising from any acts by the client, its agents, staff, or other consultants employed by others.

Lithos compensation hereunder is not commensurate with the potential risk of injury or loss that may be caused by exposures to pollution, hazardous waste, or toxic or other dangerous substances or conditions. Accordingly, except as expressly provided in this contract, the client waives any claim against Lithos and agrees to indemnify and save Lithos, its agents, and employees harmless from any claim, liability, or defense cost for injury or loss sustained by any party from such exposures arising out of the negligence of the client or related to Lithos' performance or services hereunder.

### **SECTION 11: Termination for Default**

This Agreement may be terminated by either party upon seven (7) days written notice in the event of substantial failure by the other party to perform in accordance with the terms hereof. Such termination shall not be effective if that substantial failure has been remedied before expiration of the period specified in the written notice. In the event of termination, Lithos shall be paid for services performed to the termination notice date plus reasonable termination expenses. Expenses of termination or suspension shall include all direct costs of Lithos required to complete analyses and records necessary to complete its files and may also include a report of the services performed to the date of notice of termination or suspension.

### **SECTION 12: Termination for Convenience**

The Client, for its convenience, may in its sole discretion terminate the Services in whole or in part at any time by written notice to Lithos which shall state the extent and effective date of such termination. On the effective date thereof, Lithos shall (a) stop all Services and place no further orders or subcontracts, (b) terminate work orders and subcontracts outstanding, (c) take any necessary action to protect property in its possession in which Consultant has or may acquire an interest, and (d) take any other action which Client may direct. Client shall reimburse Lithos for those costs necessarily incurred by Lithos because of the termination only to the extent Client reimburses such costs. In no case shall the total amount paid to Lithos exceed the authorized fees for Services.

### **SECTION 13: Third-Party Beneficiaries**

Nothing contained in this Agreement shall create a contractual relationship with or a cause of action in favor of a third party against either the Client or Lithos. Lithos' services under this Agreement are being performed solely for the Client's benefit, and no other party or entity shall have any claim against Lithos because of this Agreement or the performance or nonperformance of services hereunder.

#### **SECTION 14: Corporate Protection**

It is intended by the parties to this Agreement that Lithos' services in connection with the Project shall not subject Lithos' individual employees, officers or directors to any personal legal exposure for the risks associated with this Project. Therefore, and notwithstanding anything to the contrary contained herein, the Client agrees that as the Client's sole and exclusive remedy, any claim, demand or suit shall be directed and/or asserted only against Lithos, a Colorado company, and not against any of Lithos' individual employees, officers or directors.

#### **SECTION 15: Consequential Damages**

Notwithstanding any other provision of this Agreement, and to the fullest extent permitted by law, neither the Client nor Lithos, their respective officers, directors, partners, employees, contractors or subconsultants shall be liable to the other or shall make any claim for any incidental, indirect or consequential damages arising out of or connected in any way to the Project or to this Agreement. This mutual waiver of consequential damages shall include, but is not limited to, loss of use, loss of profit, loss of business, loss of income, loss of reputation and any other



consequential damages that either party may have incurred from any cause of action including negligence, strict liability, breach of contract and breach of strict or implied warranty.

### SECTION 16: Precedence

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These Standards, Terms, and Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document regarding Lithos services. This agreement shall be governed by the laws of the State of Colorado.

### **SECTION 17: Dispute Resolution**

All claims, disputes or controversies arising out of or related to the Services, the Contract Documents or these Terms and Conditions, or any breach thereof, shall first be submitted to mediation. If the Contract Documents require arbitration of claim, dispute or controversy by the American Arbitration Association (AAA), the mediation shall be conducted by the AAA pursuant to its applicable mediation or conciliation rules. If the Contract Documents do not require arbitration by the AAA, the parties shall agree upon a mediator and participate, in person, in a mediation session within 45 days after mediation has been requested.



# CMAR LARAMIE-POUDRE TUNNEL REHABILITATION PROJECT

#### **FEE PROPOSAL**

The Tunnel Water Company, c/o Lithos Engineering Attn: Robin Dornfest October 29, 2018

Submitted by:

Harrison Western Construction Corporation, Inc. 1208 Quail Street, Lakewood, Colorado 80215 (303) 234-0273



# SECTION 1

# FEE PROPOSAL

		Bic	l Schedul	Ð				
		Laramie Poudre Tun	inel Rehabil	itation (We	st Half)			
Sche	dule No.	Description	Quantity	Unit	Unit Cost	Markup		Total Cost
		MOBILIZATION			· ·			
1.1		Mobilization/Demobilization	1	LS	\$ 413,000.00		\$	413,000.0
1.2		Re-mobilization (Annual, As-Required)	1	LS	S -		\$	-
1.3		Prepare Portal Access and Staging	1	LS	\$ 474,000.00		\$	474,000.0
1.4		Engineering Field Office, Lodging, Transportation & Per Diem	1	LŚ	\$ 24,400.00		\$	24,400.00
1.5	•	Staging Area Restoration	1	LS	\$ 23,700.00		\$	23,700.00
1.6		Preconstruction Design Services	1	LS	\$ 39,800.00	=	\$	39,800.00
		MOBILIZATION/GENERAL CI	ONDITIONS TO	TAL			\$	974,900.00
2.1		Invert Preparation						
	2.1.A	Partial Invert slab	930	CY	\$ 780.00		\$	725,400.0
	2.1.B		1	LS	\$ 418,000.00		\$	418,000.0
2.2		Re-Mining and Rubble Removal			1			
	2.2.A	Existing Invert Rubble Cleanup	1,100	CY	\$ 430.00		\$	473,000.0
		Existing Support and Overbreak Removal - Timber (11 Zones)	602	LF	\$ 500.00		\$	301,000.0
	2.2.C	Existing Support and Overbreak Removal - Concrete (11 Zones)	309	LF	\$ 1,350.00		\$	417,150.0
	2.2.D	Existing Support and Overbreak Removal - Steel (7 Zones)	650	LF	\$ 1,400.00		5	910,000.0
	2.2.E	Scaling	1	LS	\$ 22,000.00		\$	22,000.0
2.3		Install Support - Class A (580 Linear Feet)						
	2.3.A	Class A Spot Bolts Installed	120	EACH	\$ 330.00		\$	39,600.0
2.4		Install Support - Class B (3,500 Linear Feet)						
	2.4.A	Class B Pattern Bolts Installed	2,260	EACH	\$ 290.00		\$	655,400.0
2.5		Install Support - Class C (840 Linear Feet)						
	2.5.A	Class C Pattern Bolts Installed	1,620	EACH	\$ 280.00		\$	453,600.0
	2.5.B	Shotcrete Placed (4 IN Thick)	2,240	SQ. YD.	\$ 170.00		\$	380,800.0
2.6		Install Support - Class D (1,150 Linear Feet)						
	2.6.A	Class D Pattern Bolts Installed	4,430	EACH	\$ 290.00		\$	1,284,700.0
	2.6.B	Shotcrete Placed (6 IN Thick)	3,060	SQ. YD.	\$ 210,00		\$	642,600.0
2.7		Stabilization of Upper Adit	1	LS	\$ 35,700.00		\$	35,700.0
		TUNNEL REHABILITA	TION TOTAL				\$	6,758,950.0
		Total						7 799 050 04
		10(a)					\$	7,733,850.00

		Schedule of Rat	es				
	Laramie Pou	idre Tunnel Rehabilit	ation (We	st Half)			
Schedule No.	Description	Quantity	Unit	Unit Cost	Markup	$= \tau_i$	otal Cost
3.1	Project Manager/Supervisor	1.00	DAILY	\$ 1,064.80	inc.	5	1,064.80
3.2	Foreman	1.00	DAILY	\$ 1,052.70	inc.	\$	1,052,70
3.3	Operator	1,00	DAILY	\$ 989.78	inc.	\$	989,78
3.4	Laborer	1.00	DAILY	\$ 989.78	inc.	\$	989.78
3.5	Safety Officer	1.00	DAILY	\$ 1,064.80	inc.	\$	1,064.80
3.6	Equipment (write-in) (SEE BELOW)	1.00	DAILY	\$ 5,650.70	inc.	\$	5,650.70
3.7	Equipment (write-in)	1.00	DAILY		inc.	\$	-
3.8	Power	1.00	DAILY	\$ 641.30	inc.	\$	641.30
3.9	Materials Only - Rock Bolts	1.00	ea	\$ 47.49	inc.	\$	47.49
3.10	Materials Only - Shotcrete	1.00	CY	\$ 403.23	inc,	\$	403.23
3.11	Conex		EACH	\$ 3,025.00	inc.	\$	3,025.00
3.12	Engineering Office	1.00	WEEKLY	\$ 349.09	inc.	\$	349.09

а.

#### 3.6 PROJECT EQUIPMENT

Grout Pump Wilden Pump, 2 ea. Rockbolt Testing Equipment Water Tank Tugger Jackleg Drills, 6 ea. Air Powered Chain Saw, 2 ea. Ventilation Fan, 40hp 750 cfm Diesel Compressor 60 kw Generator, 2 ea. Skid Steer with Hydraulic Breaker Shotcrete Pump Diesel Welder Acetylene Torch Set, 3 ea. Loader, 966 CAT LHD Scoop, 2cyd, 2 ea.



# SECTION 2

# PROJECT BUDGET, SCOPE, AND SCHEDULE ASSESSMENTS

#### PROJECT BUDGET, SCOPE OF WORK, AND SCHEDULE ASSESSMENTS

#### **Budget**

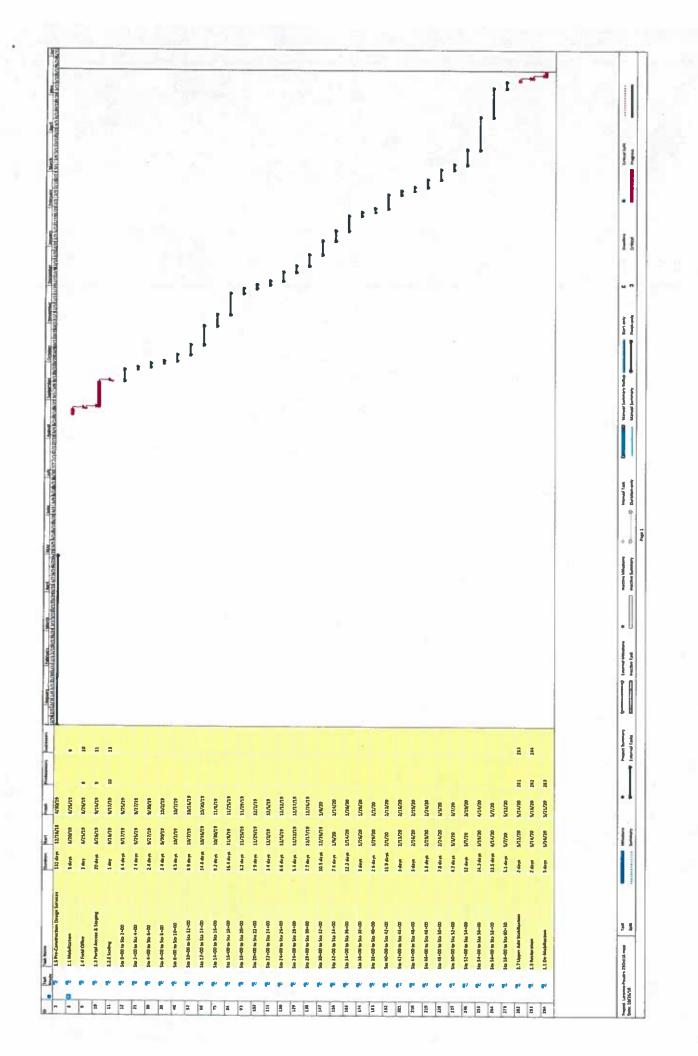
HW feels that the preliminary budget we set forth is achievable; the GMP for construction phase will be re-evaluated and negotiated during pre-construction phase.

#### Scope of Work

HW was able to visit the site and discuss the scope of work thoroughly with the Designer, and therefore we feel we have a clear understanding of the scope of this project. The scope of work is also clearly defined by the RFP/Q and Addenda. No further questions or assessment of scope is needed until kickoff meeting.

#### Schedule

We propose to run two shifts per day, seven days per week, and complete the project within one scheduled shut-down season. This would bring the project to completion ahead of schedule and most likely under budget. Attached is a preliminary full project schedule.





# SECTION 3

## GENERAL CONDITIONS LINE ITEM ESTIMATE

#### **GENERAL CONDITIONS**

Our price breaks down to \$3,890.00 per day, based on our proposed 7 days per week schedule.

This price includes:

Project Management Superintendent Project Engineer Project Manager, 50% project assigned

Indirect Equipment Service Vehicles Crew Van Batch Plant Contractors Office Storage Containers Small Tools and Safety Supplies

All General Condition costs have already been included in the bid schedule unit prices.



# **SECTION 4**

## INSURANCE AND BONDING COST ESTIMATES

#### INSURANCE AND BONDING COST ESTIMATES

Project insurance (\$162,900.00) and bond (\$53,139.00) have been included in pay item 1.1 Mobilization as per the RFQ/P, Exhibit C, 1.1.



(303) 234-0273

# CMAR LARAMIE-POUDRE TUNNEL REHABILITATION PROJECT

#### **CONTRACTOR QUALIFICATIONS SUBMITTAL**

The Tunnel Water Company, c/o Lithos Engineering Attn: Robin Dornfest October 29, 2018

> Submitted by: Harrison Western Construction Corporation, Inc. 1208 Quail Street, Lakewood, Colorado 80215 (303) 234-0273



October 29, 2018

The Tunnel Water Company c/o Lithos Engineering Attn: Robin Dornfest 2625 Redwing Road, Suite 160 Fort Collins, CO 80526

Via email this date to: robin@lithoseng.com

Re: Construction Manager at Risk (CMAR) for the Laramie-Poudre Tunnel Rehabilitation Project

Dear Mr. Dornfest,

Enclosed are Harrison Western's (HW) Statement of Qualifications and Fee Proposal for the subject project.

HW is the best choice of contractor on this important project for the following reasons:

- History: HW has worked with Lithos Engineering on the recent Carter Lake project and has established a mutually respectful and professional relationship with them.
- Experience: Plain and simple, small tunnel rehabilitation is what we do. Our project team has the experience to be able to adapt to changing conditions we may encounter in the tunnel and change procedures as required to progress the work in a safe and efficient manner. We also have previous experience with alternative delivery methods such as CMAR and Design/Build.
- ✓ Local: HW's personnel and equipment are based out of Lakewood, Colorado, less than two hours from Lithos' Fort Collins offices. This is critical to be able to attend the four in-person workshops, and will be convenient when it comes to mobilizing to and demobilizing from the project site.
- Safety: HW employs a full-time Safety Manager, who will oversee the safety program for this project.
- One-Stop Shop: HW can perform the entire scope of work of this project in-house and will not need to subcontract any tasks.

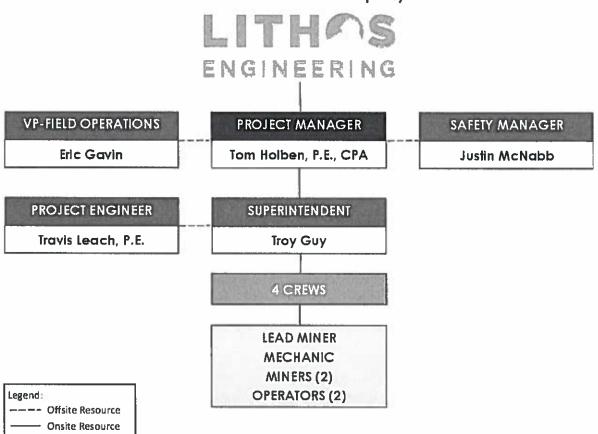
In addition to the descriptions of relevant project experience enclosed, HW is currently performing similar tunnel rehabilitation work at the following projects:

- ✓ Commodore Level 5 in Creede, CO 5,927 If
- ✓ Triumph Tunnel in Triumph, Idaho 30 lf



Harrison Western was founded in 1968 and provides superior design and construction services to the mining and civil industries. Harrison Western has successfully completed over \$2 billion of mining, industrial, and civil construction projects. Our services provided include tunneling, mine development, underground construction and maintenance, drilling and blasting, and rock excavation.

The experienced and capable team we are proposing for this project is organized as follows:



The Tunnel Water Company

Resumes for all key personnel are included in our SOQ.



Our enclosed SOQ /Fee Proposal is organized as follows:

Submittal Package Part I: Contract Qualifications Submittal

Section 1 – Relevant Project Experience Section 2 – Resumes of Key Personnel Section 3 – Contractor Qualification Statement Section 4 – Pre-Construction & Construction Plan and Methods Statement Section 5 – Bond Section 6 – Experience Modification Rates

Submittal Package Part II: Fee, General Conditions, and Additional Items Proposal

Section 1 – Fee Proposal Section 2 – Project Budget, Scope, and Schedule Assessments Section 3 – General Conditions Line Item Estimate Section 4 – Insurance and Bonding Cost Estimates

We appreciate the opportunity to bid on this interesting project and look forward to continuing to work with you.

I assert that I am authorized to commit HW's personnel and financial resources to the project and to execute legal documents for our organization.

Should you have any questions, please do not hesitate to contact me at (303) 302-2976 or by e-mail at chassel@harwest.com.

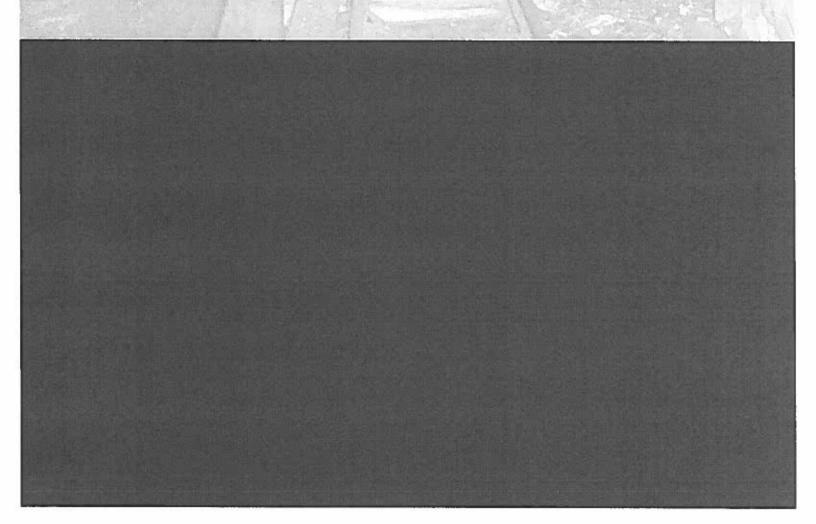
Sincerely, Harrison Western Construction Corporation

Chris Hassel President & CEO



# SECTION 1

# **RELEVANT PROJECT EXPERIENCE**





The abandoned Standard Mine near Crested Butte, Colorado was placed on the National Priorities List by the US EPA as needing remedial action to treat the mine water discharge, which had elevated levels of metals. In order to determine the best locations to place bulkheads underground to control the discharge, Harrison Western (HW) was contracted to rehabilitate and safeguard the unstable mine workings.

In Phase 1 of this project, HW rehabilitated a portal and adit, including installing new steel sets, roof bolts, gate, and headwall, and repairing timber sets. Harrison Western removed caved materials and re-excavated the tunnel.

In Phase II, HW safeguarded two levels (1 and 3) for future work. On Level 1, a new adit was driven 500 feet parallel to the original mine workings in order to safely access collapsed areas. On Level 3, additionally safeguarding measures included filling raises with foam, filling winzes with concrete, spot bolting, and installing steel and timber cribbing.

HW directed the discharging water through a series of passive wetland treatment ponds to lower the pH and precipitate out the heavy contaminants.

Harrison Western Construction Corporation 1208 Quail Street Lakewood, Colorado 80215

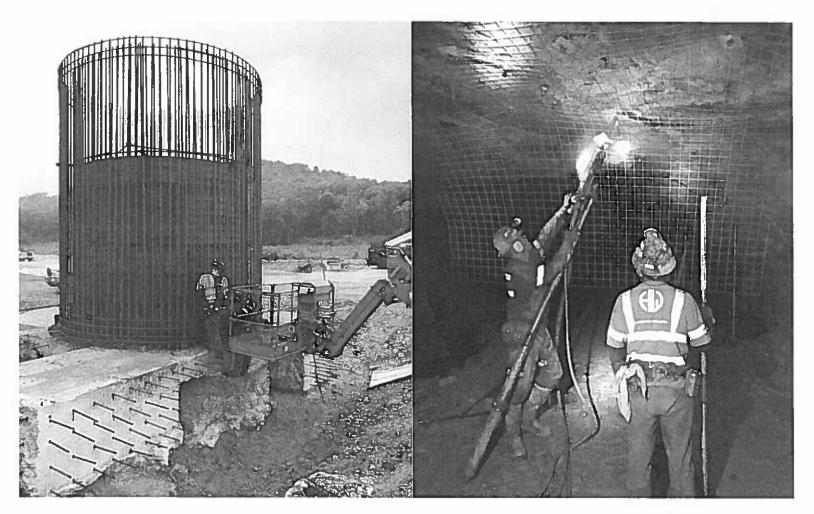
#### **CRESTED BUTTE, COLORADO**

Phase I Client Contact Environmental Restoration, Matt Francis (303) 382-1258 m.francis@erllc.com

Phase II Client Contact HDR, Joe Shields, P.E. (402) 399-4833 Joe.shields@hdrinc.com

Project Amount: \$4,370,000 Start Date: 2012 Completion Date: 2017





#### **Nyrstar - Elmwood Mine Rehabilitation**

#### 2017

Harrison Western was contracted to perform rehabilitation, a shaft extension, and a conveyor and crusher installation at Nyrstar's Elmwood Mine in central Tennessee.

Rehabilitation included scaling, bolting, blasting tights, rail and utility removal, clearing blockages, and invert preparation.

The shaft and collar extension (picture above at left) involved forming and pouring concrete, placing 9,000 cy of clay fill and armoring (325 tn), and removing the old headframe and hoist.

We installed a 14,000 lf, 5-belt conveyor unit. We also replaced the crusher tower, feeder, jaw crusher, and breaker.

#### **GORDONSVILLE, TENNESSEE**

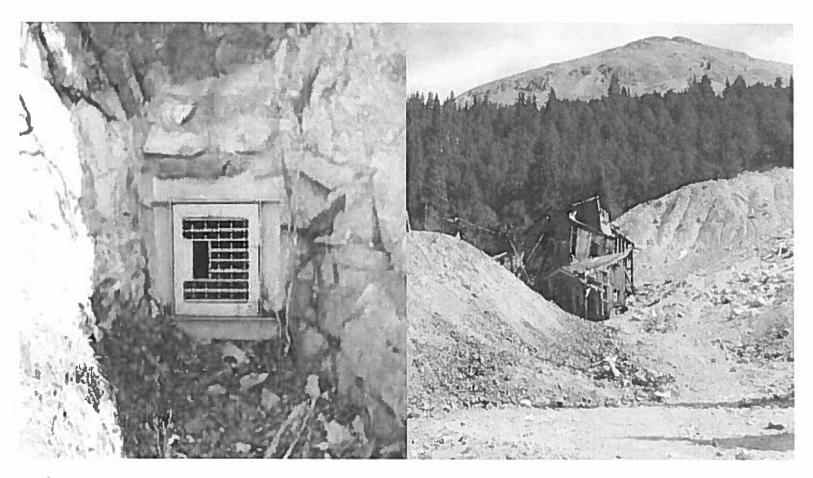
Client Nyrstar 120 Zinc Mine Circle Gordonsville, Tennessee 38563

Contact Carlos Dipas (615) 683-4287 Carlos.dipas@nyrstar.com

Project Amount: \$7,040,000 Start Date: May 2017 Completion Date: April 2018

Harrison Western Construction Corporation 1208 Quail Street Lakewood, Colorado 80215





## Mary Murphy Mine - Golf Tunnel Rehabilitation & Bulkhead

2014

The Mary Murphy Mine was the principal gold mine of the Chalk Creek mining district of Chaffee County, Colorado. The mine operated continuously from 1870 to 1925, and produced 220 thousand ounces of gold, plus considerable silver, lead, and zinc.

This project involved rehabilitation of approximately 800 feet of tunnel and the clesign/build of a 25-foot-thick concrete bulkhead.

The tunnel section was mucked out using a small 1-cyd LHD and slushers. Once the tunnel was stabilized, Harrison Western crews evaluated the geology, rock structure, and constructability at several locations to determine the best location for the bulkhead.

Once the concrete bulkhead was constructed and cured, Harrison Western crews mobilized back to the site to contact grout the rock/ bulkhead interface, which will prevent leakage around the bulkhead. A new portal door was constructed to secure the tunnel area.

Harrison Western Construction Corporation 1208 Quail Street Lakewood, Colorado 80215

#### **BUENA VISTA, COLORADO**

Client Environmental Restoration, LLC 4970 Newport Street Commerce City, Colorado 80022

Contact Matt Francis (303) 382-1258 m.francis@erllc.com

Project Amount: \$750,000 Start Date: 2014 Completion Date: 2014





### **Pennsylvania Mine Rehabilitation**

#### 2013

This project consisted of rehabilitating 600 feet of tunnel in the Pennsylvania Mine, which is located at over 10,000 feet elevation in the mountains outside of Montezuma, Colorado.

The project included the placement of steel sets, spiling rod, and other roof control measures. In addition, we cleared a cave-in at the 100' station, and removed rotten timbers and contaminated materials. The project also included straightening of rail, installation of walkway, and cleaning of ventilation and utilities to allow teams to investigate and establish parameters for a concrete bulkhead and closure.

Harrison Western diverted the contaminated water through a series of lined ponds for treatment before release into Peru Creek.

#### **KEYSTONE, COLORADO**

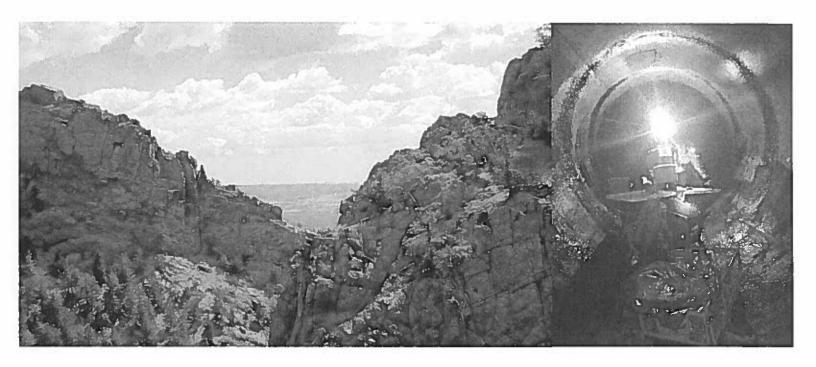
Client Colorado Division of Reclamation Mining & Safety 1313 Sherman Street, Suite 215 Denver, Colorado 80203

Contact Jeff Graves (303) 866-3526 Jeff.graves@state.co.us

Project Amount: \$500,000 Start Date: June 2013 Completion Date: October 2013

Harrison Western Construction Corporation 1208 Quail Street Lakewood, Colorado 80215





### **Stanley Canyon Tunnel Repairs**

#### 2015 to 2016

# The Stanley Canyon Tunnel, which is 3 meters in diameter and about 5,500 meters (3.1 miles) long, is a key component of Colorado Springs Utilities' Northfield Water System and transports water from Rampart Reservoir downstream to the Energy Dissipating Structure (EDS) at the Tesla Hydro Power Plant. The hydro plant was built in 1997 and operates at 765 psi.

Harrison Western was contracted by Garney Construction as part of a Design -Build team to enter the Stanley Canyon Tunnel to inspect and install any necessary repairs to the tunnel while the Owner performed their scheduled shutdown. The goal was to make the necessary alterations to preserve, restore, and repair the integrity of the tunnel. This project is also intended to assist in prevention of future degradation from potential structural instability due to unbalanced hydrostatic forces. Additionally Harrison Western provided safety and support consultation to the engineering team; with our assistance, they were able to provide a detailed analysis of the tunnel condition and F1 Class 4 OPCC.

Harrison Western provided equipment, materials and personnel to the site, and also provided site-specific safety training, including OSHA confined space, daily Job Hazard Analysis, and toolbox talks. We provided the ventilation for the shaft and the tunnel, controlling airflow through the tunnel.

The tunnel was dewatered in compliance with FERC requirements. Harrison Western performed the initial safety inspection, and completed all necessary repairs to rehabilitate the tunnel concrete lining.

Harrison Western Construction Corporation 1208 Quail Street Lakewood, Colorado 80215

#### **COLORADO SPRINGS, COLORADO**

Construction Manager Garney Construction Bill Williams (719) 423-0200 bwilliams@garney.com

#### Owner

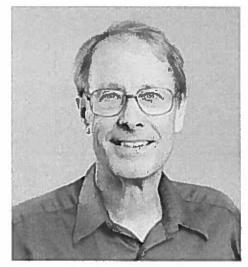
Colorado Springs Utilities (CSU) Jackie Chambers (719) 668-4667 jmchambers@csu.org

Engineer Dewberry Engineers, Inc. Carl Bundshuh (303) 825-1802 cbundschuh@dewberry.com

Project Amount: \$400,000 Start Date: July 2015 Completion Date: May 2016



# SECTION 2 RESUMES OF KEY PERSONNEL



#### V.P., Engineering & Estimating

#### Education

- Metropolitan State College, Denver, Colorado, BS Structural Engineering
- University of Colorado Boulder, BS
   Accounting
- Colorado School of Mines, Master's Program in Mineral Economics

#### Licenses & Certifications

- Professional Engineer: CO
- Certified Public Accountant: MT
- New York City Licensed Powder Carrier
- Professional Associations: ASCE, ACI, Deep Foundations Institute

Years of Experience • 30 +

Tom is an engineer/accountant with a unique combination of two technical degrees and 30 years of experience, including extensive work in underground excavations, tunnels, shafts, and shoring.

#### Tom L. Holben, P.E., CPA

#### Current Role

Tom is the Vice President of Engineering and Estimating at Harrison Western, including managing estimators for both the surface and underground mining and civil industries. He also serves as a Project Manager, bringing considerable experience from the civil and mining industries in underground excavation.

#### Project Experience

#### Corps of Engineers, Cherry Creek Dam Tunnel Repair. Denver, Colorado Vice President

This project involved repair of tunnel spalling in an existing dam outlet structure. Tom provided project engineering and management including submittals, work plans, safety procedures, and contract administration.

#### US Bureau of Reclamation, Lilly Pad Diversion Tunnel. Basalt, Colorado Vice President

This project included the rehabilitation of a shatcrete-lined diversion channel at an elevation of 11,000 feet. Technical achievements included delivery of shotcrete at high elevation followed by pumping 1,600 feet horizontal and 600 feet vertical. Tom provided project engineering including the development of shotcrete mix design and preparation of USBR submittals, schedules, and work plans.

#### US Bureau of Reclamation, Hoover Dam Visitors Shaft. Boulder City, Nevada

#### Project Engineer

This project included the excavation of a new 600-foot-deep by 24-footdiameter concrete-lined elevator shaft in the Nevada abutment of Hoover Dam. Shaft excavation was completed using a Vertical Mole TBM following an 8-foot-diameter raise-bored pilot hole. Muck was removed from the bottom of the shaft and conveyed to the Nevada side spillway tunnel for removal from site. Tom was responsible for all aspects of setup for the sinking plant headframe, raise-bore directional control, core drilling, quality control, and quality assurance. The project followed USBR Safety Standards including all lift plans, blast designs, submittals, shotcrete testing, and mix designs.

#### Twin Falls Hydro-Electric. Seattle, Washington Project Engineer

This hydro-electric project based on the Snoqualmie River included the excavation of a 3,000-foot-long spiral access ramp driven at -20% followed by a 4,000-foot-long tail race tunnel. Twin 8-foot-diameter, shotcrete-lined, raise-bored shafts connected the ramp at top and bottom. Tom provided survey control, blast designs, purchasing, and project management through the use of control estimates.

Languages

- English
- Spanish

#### Tom L. Holben, P.E., CPA

#### Project Experience (cont.)

#### East Side Access Project. New York City, New York Cavern Excavation Manager

This project included two TBM Machines (Seli, Robbins), and three roadheaders (Sandvick), as well as a whole fleet of conventional underground equipment. Working in New York required management of heavy city congestion access issues and working with multiple labor union jurisdictions. Tom was part of the lead team to submit for final approval an "Alternate Initial Support Design," saving the project \$1 million. The project required stringent QA/QC technical preparations for shotcrete and ground support. The scope included tunnels, conventional shafts, raisebored shafts, and massive underground caverns. The team developed cushion blasting techniques to meet PPV and microstrain limitations. Tom assisted in development and installation of a 240,000 cfm ventilation/scrubber system.

#### BHP, Jansen Frozen Shafts. Jansen, Saskatchewan

Technical Support on Cost Estimating and Design This project scope included excavation of two 2,000-feet-deep, large diameter, and steel-lined access shafts for the development of an underground Potash mine. The method involved excavating frozen ground by road-header supported from the shaft Galloway. Initial ground support was rock-bolts and shotcrete followed by a final steel liner. Tom provided technical support on the initial ground support for a change of conditions.

#### ARCO Coal. Paonia, Colorado

#### Project Engineer

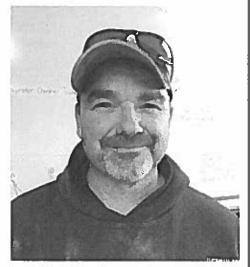
This project involved the excavation of twin access declines in hard rock between two coal seams. After completion of the declines, they were connected by two 8-foot-diameter, raise-bored, and shotcrete-lined shafts. Tom provided onsite construction surveying, blast designs, submittals, and control estimates.

#### Agnico Eagle, Pinos Altos Shaft. Chihuahua, Mexico Country Manager

This project involved the excavation, support, and furnishing of a 3,500-footdeep shaft. Tom provided project controls over this rapid expansion project in Mexico including development and implementation of a standardized system based on Earned Value Management.

#### Liberty University, Jacked Box Tunnels. Lynchburg, Virginia Senior Consultant

This project involved the development of a method of constructing twin access tunnels through an existing railroad abutment. The project constraints required continuous 3 track of live rail road loads over the advancing tunnel. Tom finalized design drawings, specifications, contract documents, and solicited construction bids for the project. Final design included jacked box tunnels advanced through the soft ground abutment using post-tensioning tendons pre-installed in conduits via pilot tube drilling. The project was so innovative that it won the ENR Mid-Atlantic Region Best Small Project Award for 2014.



#### Superintendent

#### Licenses and Certifications

- ATF Employee Possessor
- Colorado Type I Blasting License
- MSHA 40 Hour Miner Trainer
- Welding Certified, SMAW Flat and Overhead Work
- Secor Fusion Certificate, Qualified on Butt Fusion
- Respirator Mobile Fit Annual Fit Test
- 40 hour HAZWOPER
- Department of Defense US Government Contractor
- Blaster License, LA
- Heart Saver First Aid and CPR

#### Years of Experience

15 Years

Troy is currently a Superintendent for HWCC. He is a versatile supervisor who has extensive understanding of a diverse range of construction projects. Some of his responsibilities include, but are not limited to, scheduling, inspections, quality control, and job site safety.

#### Troy Guy

#### Current Role

Troy oversees Harrison Western's various projects, supervising the crews as Superintendent.

#### Project Experience

#### Quandary Tunnel Portal Rehabilitation. Blue River, Colorado Superintendent

This project involved the repair of a steel and concrete portal structure at the upstream end of a 8' x 8' water tunnel. Troy's responsibilities included the planning and safe execution of the removal of dilapidated steel structures, repair of concrete and steel roof and walls, and installation of rock bolts inside the tunnel. The project occurred at approximately 11,000 feet elevation. Troy was responsible for the safe execution of the project, including rescue, hot work, confined space entry, and concrete work in an alpine winter setting. Reference: Matt Grizzell (720) 258-4129.

#### Captain Jack Mine Reclamation. Ward, Colorado Superintendent

# This project was located in the Rocky Mountains and encompassed the installation of a bulkhead, mine pool mitigation and long-term monitoring equipment. Additionally, a passive water treatment system using a limestone base to lower the pH of intercepted groundwater in the mine was installed. Troy oversaw work of all day-to-day operations, including drilling and blasting, concrete placement, installing mechanical and utility equipment, rock bolting, and installing water bypass features. ERT Cable array, site restoration, and portal repair were also part of this project. Reference: Steve Laudeman (303) 503-8007.

#### Gold King Mine Remediation. Silverton, Colorado Superintendent

This job included performing work to stabilize and reconstruct the Level 7 adit portal, water bypass pumping, shotcreteing and steel sets, concrete pouring with onsite batching, and other miscellaneous activities at an environmentally sensitive work site at an elevation of 10,000 feet. Troy oversaw the installation of a flow control structure to temporarily mitigate the flow of water. He was responsible for communication, hiring employees, identifying conflicts, and maintaining written logs. Reference: Matt Francis (303) 994-6611.

#### Argo Mine Rehabilitatation. Idaho Springs, Colorado Superintendent

Troy was the Superintendent over the rehabilitation of the portal and adit. Water control structures were implemented, and a 36-inch diameter manway and a 12-inch diameter stainless steel discharge pipe were installed. An access door was cast in the bulkhead. Troy prioritized and planned work activities, organized and scheduled other employee's tasks and developed action plans. He also oversaw the installation of an HDPE line, concrete flume, and portal door. Reference: Steve Laudeman (303) 503-8007.

#### Troy Guy

#### Project Experience (cont.)

Milton Seaman Reservoir Outlet Tunnel Mechanical Protection, Fort Collins, CO

Superintendent

The project consisted of installing safety equipment to enter a reservoir outlet tunnel to install 1-1/4-inch diameter rock bolts, removing existing damaged structures, and installing new aluminum protection shields around overhead electrical and hydraulic lines in the 15-foot-tall tunnel. Reference: Randy Gustafson (970) 980-9434

#### Climax Mine – CAVR Shaft Plug, Leadville, Colorado Superintendent

The project consisted of the installation of a bottom form and pour of a concrete plug at the top of a 600-foot mine shaft. Troy's responsibilities included all safety and health aspects of working around an open hole. Project elements included removing a temporary grating cover, setting support beams, placing concrete forms, setting dowel reinforcements, and pouring the concrete cap. Reference: Brian McGill (719) 486-7718

#### Blackjack Gazex, Salt Lake City, Utah

#### Superintendent

The project consisted of the installation of Gazex avalanche mitigation exploders in the Little Cottanwood Canyon. Troy was in charge of setting formwork and pouring concrete along the edge of the mountain above avalanche chutes. He also assisted in coordinating material delivery via helicopter and sling rope. The Gazex exploders are fueled by mixing propane with oxygen and ignited by piezo electric spark.

#### Twin Tunnels, Idaho Springs, Colorado Superintendent

Troy managed rock cuts and slope stability services for the I-70 Twin Tunnels Project. Harrison Western was part of a joint venture Construction Manager/ General Contractor (CM/GC) team with Edward Kraemer and Sons and Obayashi. The team developed the plans and the budget, and then executed the two vertical rock cuts along the I-70 corridor just west of Denver for the widening of the highway. Troy's responsibilities included directing a drilling and blasting crew, and overseeing the installation of rock bolts, dowels, anchors, and rock fall mesh. Reference: Matt Hogan (303) 356-7191

#### Lyons Salt Mine Shaft Station Repair / Reconstruction, Lyons, Kansas Superintendent

This project consisted of the installation of a 14,000 cubic yard concrete bulkhead, through a 1,000-vertical-foot and 1,000-horizontal-foot slickline to seal a portion of the mine. Troy prepared work schedules and supervised the crew. Work activities included drilling and blasting for keyways, installation of grouting tubes, form work, concrete pours, grouting work, installation of stainless steel piping and valves, and wet side coating application. All work was carefully coordinated and he ensured there were no work conflicts with other operations. Reference: Nathan Steele (620) 680-0889



Vice President - Field Operations

Education

• Virginia Tech, B.S. Mining and Minerals Engineering

#### Licenses & Certifications

- ATF Responsible Person
- Colorado Type I Blasting License
- MSHA 40 Hour
- MSHA Approved Trainer IU, IS

#### Years of Experience

• 20 +

Eric is currently Vice President - Field Operations for HWCC. He began his career in the mining industry working in surface quarry and underground coal operations in the eastern United States. Since graduating college, he has worked in both surface and underground mining in hard rock, coal, and salt mines, and has experience managing multiple earthmoving and reservoir construction projects. He is currently responsible for the overall field operations of the company, as well as assistance with project planning, engineering and design, and bidding and estimating.

#### Eric Gavin

#### Current Role

Eric oversees all of Harrison Western's field jobs. Some of his responsibilities include training, performance, monitoring, planning, analyzing, and more general administrative duties to ensure employees are working effectively and efficiently.

#### Project Experience

#### CDOT Twin Tunnels Widening. Idaho Springs, Colorado Project Manager

Eric managed the execution of two rock cuts and associated slope stability services for the I-70 Twin Tunnels Project. Harrison Western was part of a Joint Venture Construction Manager / General Contractor (CM/GC) team with Edward Kraemer and Sons and Obayashi. Reference: Matt Hogan (303) 356-7191.

#### United Salt Mine Ground Control. Hockley, Texas Project Manager

Eric directed a variety of operations including timber and bearing set repairs, removal and replacement of vent ducting, headframe repairs, and utility work in the shaft. Reference: Clif Mower (936) 372-3931.

#### American Salt Mine Ground Control. Mt. Morris, New York Project Manager

On this project, Eric managed crews who used a Joy 15RU Under-cutter and LHD to remove large sections of salt that had heaved up into the entries. Work included installation of 10-feet to 20-feet grouted cable bolts and #7 thread bar bolts. Reference: Lee McKinney (585) 315-5111.

#### Standard Mine Rehabilitation. Crested Butte, Colorado Project Manager

As the Project Manager, Eric oversaw rehabilitation of the portal and adit, including the installation of new steel sets, roof bolts, gate and headwall, and repairing timber sets. On this project, he also supervised the removal of caved materials and re-excavation of the tunnel.

#### Stanley Canyon Tunnel Rehabilitation. Colorado Springs, Colorado Project Manager

Eric supervised the team who inspected and installed the necessary repairs during a scheduled shut-down. Additionally, Harrison Western provided safety and support consultation to the engineering team. Reference: Jackie Chambers (719) 668-4667.

#### Pennsylvania Mine Rehabilitation. Keystone, Colorado Project Manager

Eric directed the rehabilitation of 600 feet of tunnel, including the installation of steel sets, spiling rod, and other roof control measures. The project also included straightening of rail, installing a walkway, and cleaning of ventilation and utilities to allow teams to investigate and establish parameters for a concrete bulkhead and closure. Reference: Jeff Graves (303) 866-3567 x8122.

References Clif Mower, President/Facility Manager United Salt Hockley LLC 14002 Warren Ranch Road Hockley, Texas 77447 (281) 932-5770

Peggy Ganse, Senior Associate Shannon & Wilson, Inc. 1321 Bannock Street, Suite 200 Denver, Colorado 80204 (303) 825-3800

#### Eric Gavin

#### Project Experience (cont.)

#### Lyons Salt Mine Underground Bulkhead Design/Build. Lyons, Kansas General Superintendent

Eric oversaw the construction phase of the Lyons Salt Bulkhead Project in Lyons, Kansas. The project entailed the design, excavation, and construction of a 14,200 CY bulkhead. Concrete was pumped from a surface batch plant down 1,000 feet and into the bulkhead forms. The project remediated a mine -threatening freshwater leak and subsidence. Reference: Nathan Steel (620) 257-5626 x103.

#### Lyons Salt Mine Shaft Station Repair / Reconstruction, Lyons, Kansas General Superintendent

Eric drove a decline and removed and replaced shaft timbers at the station sump of a two-skip production shaft.

#### Henderson Mine, Empire, Colorado

**General Superintendent** 

Eric oversaw the construction of the surface warehouse and equipment shop at Henderson Mine, including the foundation, erection, and electrical installation of two prefabricated steel buildings of 7,800 SF and 15,000 SF. Eric was responsible for all aspects of constructing ore loading chutes as well as numerous other mine construction projects including steel construction, concrete construction, rehabilitation bolting, and conveyor structural repairs. Eric was also responsible for the re-alignment, removal, and installation of power and fiber optic cables in the #2 Shaft. Reference: Robby McCaslin (720) 942-3430

#### Foidel Creek Mine #18 Shaft, Oak Creek, Colorado

#### **Project Manager**

At the Foidel Creek Mine's #18 Left Ventilation Shaft, Eric lowered the work deck and crews into a steel-lined shaft in order to remove and replace damaged areas of 72-inch steel liners in two 1,300-foot ventilation shafts. Reference: Mike Berdine (970) 846-9686

#### Morton Salt, Fairpoint Mentor, Ohio

**Project Manager** 

Eric managed the loading pocket repairs, which included the re-alignment and replacement of damaged or rotten wooden shaft timber sets and skip guides in the production shaft. Reference: Ron Laupp (440) 796-2965

#### North American Salt, Cote Blanche, Louisiana

#### Project Manager

Eric was responsible for drilling, blasting, scaling, and bolting of pillars and back in the underground mill area and other miscellaneous areas.

#### Inmet Mining Corporation, Seville, Spain

Project Manager

Eric managed the construction of a 1,000 GPM custom EMS water treatment plant beginning with shipment of the plant from Denver, Colorado to Seville, Spain, through to the installation on site.



#### **Project Engineer**

Education

 Colorado School of Mines, B.S. Mining Engineering

#### Licenses and Certifications

- MSHA- 40 Hour
- Licensed Professional Engineer: CO

Years of Experience • 6+

Travis is a dedicated and insightful Mining Engineer with extensive industry knowledge and expertise in economic valuations, technical reporting, and highly persuasive presentations. He is proficient in natural resource project engineering and analysis including the development of economic models. Additionally, he consistently solves problems, delivers accurate results, and maintains client relationships and loyalty.

#### Travis Leach, P.E.

#### Current Role

Travis is a Project Engineer at Harrison Western, whose duties include assisting with engineering and estimating and project management.

#### Project Experience

#### Nkamouna Cobalt / Nickel Deposit. East Province of Cameroon Mining Engineer

Travis developed the technical economics for the 2010 Feasibility Study. He also developed first principles costing and equipment requirements for the mine. Travis helped optimize the project costs by reviewing and comparing various processing and mining methods.

#### Arctic Deposit. Ambler Mining District, Alaska Mining Engineer

Travis reviewed remote access options and conducted trade off studies to determine the optimal transportation solutions. He also developed first principles costing and fleet requirements based on mining production.

#### Nyrstar - Elmwood Mine Rehabilitation. Gordonsville, Tennessee Project Engineer

The work performed included drift rehabilitation, ground support, utilities, drainage, clean up, and roadways. Installation of a 14,000 LF conveyor and crusher system shaft extension, installation of fan and bulkheads, and clearing and screening off ore passes were also part of the scope of work performed. As the Project Engineer/Project Manager, Travis orchestrated the rehabilitation and construction of this \$4.1M project, managed multiple sub-contractors through each phase, developed short-term mine plans to ensure crew productivity, and lead a crew of 30 personnel. He also coordinated the transportation of construction materials from two mines without impacting production.

#### **Ouray Silver Mines. Ouray, Colorado**

#### Senior Mining Engineer

Travis was responsible for launching the short-term development schedule, mapping mine utilities in AutoCAD, and optimizing infrastructure design overseeing a diamond drilling crew of three. He conducted an economic analysis based on archived data and first principles costing, and developed a preliminary economic model for a pre-feasibility study. Travis analyzed historic mine maps and documents to identify potential exploration targets, managed the operations plan, and verified development progress according to weekly project targets.

#### Tyhee Gold Corp. Denver, Colorado

#### Senior Mining Engineer

Travis contributed to the management team by providing updates on the acquisition targets and strategy to the board of directors. He researched and created economic reports to assess potential mergers and acquisition targets and evaluated technical reports. He also generated the technical economics for the Yellowknife Feasibility Study resulting in securing financing for two years of corporate operating costs.

#### Travis Leach, P.E.

#### Project Experience (cont.)

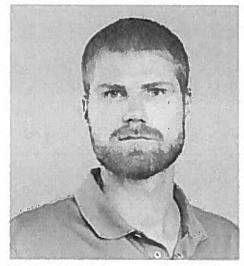
#### Cerro Matoso. Montelíbano, Córdoba, Colombia Mining Engineer

Travis reviewed historic mining production costs to be used in the development of a new block model. He helped develop a new mine plan to account for the new construction of a heap leach facility and established cut-off grades for each of the process facilities.

#### Fairplay Minerals. Denver, Colorado

Manager of Technical Services

Travis developed a strategic company plan and mine acquisition targets as a founding member. He reviewed historical operations data to support operations plans. He also engineered mine-specific operations plans, created individual project and companywide economic models to guide the strategic plan, and presented the strategic plan and financial reports to potential investors.



#### Safety Manager

#### Education

 Southeastern Oklahoma State University, Bachelor of Science, Occupational Safety and Health

#### Licenses and Certifications

- CHST (Construction Health and Safety Technician)
- 40 HAZWOPER Trained
- 30-hr OSHA General Industry Training
- 30-hr OSHA Construction Training
- 10-hr Confined Space Training
- First Aid and CPR Certified
- Rigging and Signal Certified
- Ohio Workers Comp Drug Free Safety Program Train the Trainer Certified
- DuPont Safety Training Observation Program (STOP)

Years of Experience

• 5+

#### Justin McNabb

#### Current Role

Justin is Harrison Western/UIT's Safety Manager. In his role, he travels between HW's and UIT's various project sites and aides them in executing work safely, efficiently, and in a uniform manner. He is responsible for all safety audits, training, and programs across the companies. Justin also attends high-risk tasks on project sites to help oversee their safe execution.

#### Project Experience

#### OARS Tunnel Project. Columbus, Ohio

#### Safety Manager

For the City of Columbus, Kenny Construction built a 25,000-foot tunnel with a 20-foot diameter, connecting to six separate shafts at different locations. Kenny's portion was comprised of three shafts, the tunnel, and all connecting adits from the tunnel to the shafts. The tunnel was drilled using a TBM machine and the shafts were sunk using excavators as well and drill and blast once they hit rock. The shafts varied in size, but the average was 50 feet in diameter and 200 feet deep. The total project cost was \$280M.

#### O'Hare Pump Station. Chicago, Illinois

#### Safety Manager

For the City of Chicago - Department of Aviation, Kenny Construction built a pump station building approximately 40 feet under the surface. The site was excavated and temporary shoring was installed to construct the building. Total cost of the project was \$8M.

#### **155 and Lakeshore Drive Inbound Structures Reconstruction** Safety Manager

For the Illinois Department of Transportation (IDOT), Kenny Construction completed the replacement and reconfiguration of three bridge structures on the inbound side of the 155 and Lakeshore Drive Interchange. Also included was maintenance on traffic, mechanically stabilized earth retaining walls, utility and water main relocation, new roadway lighting and intelligent traffic systems, and non-special waste removal and disposal. Total project cost was \$60.4M.

#### Congress Parkway Over 90/94 Bridge Reconstruction Safety Manager

Also for IDOT, Kenny Construction performed the replacement and rehabilitation of Westbound Congress Parkway (Eisenhower Expressway). The project included maintenance of traffic with nightly expressway and arterial street lane closure, retaining walls, utility relocation, new roadway lighting and intelligent traffic systems, and non-special waste excavation and disposal. Project cost was \$22.7M.

#### Justin McNabb

#### Project Experience (cont.)

#### Van Buren St. Bridge Reconstruction Over 90/94 Safety Manager

This project included bridge replacement, roadway reconstruction, erosion control and protection, utility relocation of existing storm sewers, siphon reconstruction, non-special waste excavation and disposal, earth excavation and embankment, miscellaneous storm sewers, pavement marking and signage, roadway lighting, ITS, traffic control and protection, monument relocation, aesthetic improvements, and urban enhancements. Project cost was \$21.1 M.

#### **169 Bridge Replacement over Flat Creek and Eight Mile Creek** Safety Manager

This project consisted of a total of four bridge replacements. The first task was to install two temporary steel bridges between the two sets of bridges over the creeks to divert traffic while the other two bridges were being demolished and rebuilt on the west side of 169. Traffic was then switched and the other bridges were demolished and rebuilt. Project cost was \$9M.



# SECTION 3

# CONTRACTOR QUALIFICATION STATEMENT



COLORADO Department of Transportation Departs of Project Support

2829 West Howard Place Deriver, Colorado 80204

#### NOTIFICATION OF PREQUALIFICATION

October 9, 2018

Harrison Western Construction Corporation, Inc DBA Harrison Western Construction Corporation, Inc 1208 Quail Street CO Lakewood, CO 80215

Limit Amount:\$15 million Vendor ID:379A

Reference is made to your application for registration as a qualified bidder on Colorado Highway work, dated October 8, 2018. Your file has been reviewed and determined to be complete. Based on the financial information and experience contained in your application, your firm is allowed to submit bids up to \$15 million.

Bids from a general contractor will be received subject to any limitation stated above, and with due consideration to the amount of work presently under contract, past performance on highway contracts, and the contractor's financial status at the time of bidding. It is further understood that the bidder has available the staff and equipment adequate for any project on which a bid is submitted; that the contractor's staff and equipment will be available to undertake the work on which bids are currently made, promptly after award of contract; and that the work will be carried on expeditiously and under proper supervision.

This notice supersedes all previous notices. This prequalification will expire on March 31, 2019. You must file a new application 17 days prior to that time to remain current. It is the contractor's sole responsibility to obtain and file the necessary forms each year prior to expiration. Renewals can now be made online at https://cdot.dbesystem.com.

Regards,

Darrell Wells Contract Administrator III

Help & Tools

System Vendor Number:

20530790

#### **Contractor's Registration/Prequalification: View**

General	Public Profile	Users	Commodity Codes	Contacts	Employees	Certifications	Contracts	Workforce Comp/EEO	Registrations/Prequalifications	

Harrison Western Construction Corporation, Inc, DBA Harrison Western Construction Corporation, Inc

Contractor's Registration/Prequalification							
ТҮРЕ	Prime Contractor Prequalification						
DESCRIPTION	If you intend to bid as a prime contractor you must complete the Prime Contractor <b>Prequalification Application.</b>						
DATE SUBMITTED	10/5/2018						
STATUS	Accepted						
REVIEWER	Darrell Wells						
DATE REVIEWED	10/9/2018						
REVIEW COMMENTS							
EXPIRATION DATE	3/31/2019						

Acceptant	e Letter(	s)			
Actions	Date	Sent By	Sent To	Letter Type	Viewed
<u>View Letter</u>	10/9/2018	Darrell Wells	Laura Fletcher	Contractor's Registration/Prequalification Accepted	Ô

#### Entity Information

L			
	BUSINESS NAME	Harrison Western Construction Corporation, Inc DBA Harrison Western Construction Corporation, Inc	
	CONTACT FOR THIS SUBMISSION	Laura Fletcher (change contact)	
	PRIMARY CONTACT EMAIL	lfletcher@harwest.com	
	PHONE	303-234-0273	
İ	FAX		
	COMPANY EMAIL	clutgens@harwest.com	
	TAX ID NUMBER	841079486	
	COMPANY TYPE	Corporation	
	PHYSICAL ADDRESS	1208 Quail Street CO Lakewood, CO 80215	
	MAILING ADDRESS	1208 Quail Street CO	

Lakewood, CO 80215

## View Vendor Profile

#### **Current Vendor Certifications**

No current applicable certifications.

#### **Business Information**

ARE YOU CURRENTLY DEBARRED AND/OR SUSPENDED BY ANY PUBLIC AGENCY, INCLUDING CDOT?

No

IS YOUR FIRM A SUBSIDIARY RELYING ON A PARENT COMPANY'S FINANCIAL STATEMENT?

No

### **Financial Information**

WHAT BIDDING CAPACITY IS YOUR FIRM SEEKING TO PREQUALIFY UNDER?

#### My firm is seeking to qualify for a bidding capacity over \$5,000,000.

Document	Status
Financial statement prepared in compliance with generally accepted accounting practices and standards that includes a complete report of the <b>contractor's financial resources and liabilities</b> <u>Harrison Western Financials</u> (PDF, 771.97 KB)	Attached by Laura Fletcher on 10/5/2018
Letter from CPA in support of the Audit Statements Audit Letter (PDF, 1.36 MB)	Attached by Laura Fletcher on 10/5/2018
Letter from Bonding Agent Bonding Letter (PDF, 111.64 KB)	Attached by Laura Fletcher on 10/5/2018

## **Bidding Projects**

IS YOUR FIRM REGISTERED AND IN GOOD STANDING WITH THE COLORADO SECRETARY OF STATE?

Yes

IS YOUR FIRM SEEKING TO INCREASE BID LIMITS DURING THE CURRENT PREQUALIFICATION PERIOD?

No

IS YOUR FIRM SEEKING TO BID ON AN ADVERTISED OR SOON TO BE ADVERTISED CDOT PROJECT?

Yes

ER 0361-118 US36 Tunnel Project, bid release date 10/11/18

IS YOUR FIRM SEEKING TO BID ON AN ADVERTISED OR SOON TO BE ADVERTISED NON-CDOT PUBLIC AGENCY PROJECT?

No

General Information	
IS YOUR FIRM AN OUT-OF-STATE CONTRACTOR?	
HOW MANY YEARS HAS YOUR COMPANY BEEN IN THE CONTRACTING BUSINESS? 50	
HOW MANY YEARS HAS YOUR COMPANY BEEN IN THE SUBCONTRACTING BUSINESS? 50	
LIST YOUR COMPANY'S PRINCIPAL OFFICERS AND SUPERVISORS WITH THEIR TYPE AN	D LENGTH OF EXPERIENCE.
Chris Hassel, President & Chief Executive Officer, Years of experience: 30+, I capacity: High-level management in all aspects of company operations and – Field Operations, Years of experience: 20+, Magnitude and type of work an operations of the company, as well as assistance with project planning, en and safety.Tom Holben, Vice President – Engineering & Estimating, Years of and in what capacity: Chief estimator and engineer.Donna Hale, Chief Final Magnitude and type of work and in what capacity: Management of all finan involved in all of the projects listed in the attached 3-year construction cor	d corporate business. Eric Gavin, Vice President and in what capacity: Management of all field gineering and design, bidding and estimating, experience: 30+, Magnitude and type of work incial Officer, Years of experience: 20+, incial and corporate business.Officers were
Document	Status
Construction experience of principal <u>3-Year Construction Contracts List</u> (PDF, 87,49 KB)	Attached by Laura Fletcher on 10/5/2018
DOES YOUR FIRM HAVE ANY AFFILIATES OR SUBSIDIARY COMPANIES?	
Yes	
Teo Harrison Western owns 70% of Underground Infrastructure Technologies (UIT). Principals of UIT I	include Jeff Rumer, Donna Hale, and Chris Hassel.
Document	Status
Affiliates or subsidiary company details	Not Attached
HAS YOUR COMPANY, ANY DIRECTOR, OFFICER, PARTNER, JOINT VENTURE. OR STOCK ANY PARENT, AFFILIATE OR SUBSIDIARY BEEN UNDER NOTICE OF INTENT TO DEBAR PREQUALIFICATION IN THE LAST 6 YEARS BY ANY GOVERNMENTAL AGENCY?	
No	
HAVE YOU EVER FAILED TO COMPLETE ANY CONTRACT AWARDED TO YOU?	
Νο	
HAVE ANY OF YOUR OFFICERS OR PARTNERS FAILED TO COMPLETE A CONTRACT WH MANAGING A CONTRACT UNDER THEIR OWN NAMES?	IILE WORKING FOR ANOTHER COMPANY OR
No	
HAS YOUR COMPANY, ANY OFFICER IN YOUR COMPANY, ANY AFFILIATE OR OFFICER INDICTED/CONVICTED OF BID/CONTRACT RELATED VIOLATIONS IN THE PAST 6 YEAF	
No	
DOES YOUR COMPANY HAVE A FINANCIAL INTEREST IN ANY OTHER BUSINESS?	
No	

PROVIDE A LIST OF YOUR CONSTRUCTION EQUIPMENT. Document Attached	
Document Construction Equipment <u>Harrison Western Equipment List</u> (PDF, 743.96 KB)	Status Attached by Laura Fletcher on 10/5/2018
CONSTRUCTION TYPE - INDICATE THE WORK YOUR COMPANY PERFORMS U OTHER Tunneling	ISING YOUR OWN EQUIPMENT AND FORCES.
Document List	
Jocument List	
Document	Status

 Signature page with certifications for all officers and agents authorized to bid and contract on
 Attached by Laura Fletcher on

 behalf of the company.
 10/5/2018

 sin nage (PDF, 38.79 KB)
 10/5/2018

Signature	
SIGNATURE	Laura M. Fletcher
TITLE	Director of Marketing and Business Development
ORGANIZATION	Harrison Western Construction Corporation, Inc
SIGNATURE DATE	10/5/2018

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## CONSOLIDATED FINANCIAL STATEMENTS WITH CONSOLIDATING AND SUPPLEMENTARY INFORMATION

and

#### INDEPENDENT AUDITOR'S REPORT

Years Ended December 31, 2017 and 2016

## CONSOLIDATED FINANCIAL STATEMENTS WITH CONSOLIDATING AND SUPPLEMENTARY INFORMATION Years Ended December 31, 2017 and 2016

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# GARY L RYAN & ASSOCIATES LLC

Certified Public Accountants and Business Consultants

3300 South Parker Road, Suite 210 Aurora, Colorado 80014-3521 Phone: (303) 306-3218 Cell: (303) 809-0694

#### INDEPENDENT AUDITOR'S REPORT

The Board of Directors and Stockholders Harrison Western Construction Corporation Lakewood, Colorado

**Report on the Financial Statements** 

We have audited the accompanying consolidated financial statements of Harrison Western Construction Corporation and its Subsidiary and Affiliate (the "Company") which comprise the consolidated balance sheets as of December 31, 2017 and 2016, and the related consolidated statements of income, changes in equity, and cash flows for the years then ended, and the related notes to the financial statements.

# Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these consolidated financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

#### Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatements.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

#### Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the consolidated financial position of Harrison Western Construction Corporation, its Subsidiary and Affiliate as of December 31, 2017 and 2016, and the results of their operations and their cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

#### Other Matter

Our audit was conducted for the purpose of forming an opinion on the basic consolidated financial statements as a whole. The consolidating information listed in the table of contents is presented for purposes of additional analysis and is not a required part of the basic consolidated financial statements. Such information has been subjected to auditing procedures applied in the audit of the basic consolidated financial statements, and accordingly, we do not express an opinion or provide any assurance on it.

Gary L Ryan & Associates, LLC

Aurora, Colorado

February 28, 2018

# CONSOLIDATED BALANCE SHEETS

December 31, 2017 and 2016

## ASSETS

	2017	2016
Current Assets:		
Cash	\$ 214,755	\$ 892,258
Accounts receivable, trade, net	5,143,870	3,781,653
Accounts receivable - related parties	5,483	454
Costs and estimated earnings in excess of	0,700	
billings on uncompleted contracts	232,836	558,896
Prepaid insurance	77,575	142,537
Other current assets	49,971	37,694
TOTAL CURRENT ASSETS	5,724,490	5,413,492
Property and Equipment - at cost:		
Vehicles and trailers	62,146	40.515
Equipment	5,018,619	4,365,659
Office furniture and equipment	169,850	169,850
	5,250,615	4,576,024
Less accumulated depreciation and amortization	(2,780,165)	(2,390,132)
NET PROPERTY AND EQUIPMENT	2,470,450	2,185,892
Other Assets:		
Investment - Other	100,000	100,000
	100,000	100,000
TOTAL OTHER ASSETS	100,000	100,000

TOTAL ASSETS

<u>\$ 8,294,940</u> <u>\$ 7,699,384</u>

#### LIABILITIES AND EQUITY

	2017	2016
Current Liabilities:		
Accounts payable, trade	\$ 1,276,055	\$ 1.223.041
Accounts payable - related parties	71,058	\$ 1,223,041 77,700
Line of credit	85,000	150,000
Notes payable	62,000	106,743
Current maturities of long-term debt	632,413	410,509
Accrued liabilities:	0069410	410,003
Salaries and bonuses	387,062	223,805
Insurance	82,654	3,466
Other	102,962	37,724
Billings in excess of costs and estimated earnings on	102,902	57 <sub>1</sub> 724
uncompleted contracts	544,992	412,854
errowing a commentation was to compare	J444,772	412,0.04
TOTAL CURRENT LIABILITIES	3,182,196	2,645,842
Long-term debt, net of current maturities	485,327	927,133
TOTAL LIABILITIES	3,667,523	3,572,975
Equity:		
Controlling interest in equity		
Common stock - no par value, 10,000 shares authorized;		
B10 shares issued and outstanding	161,389	161,389
Additional paid in capital	382,503	382,503
Retained earnings	2,912,419	2,597,829
Noncontrolling interests in members' equity	1,163,321	984,688
TOTAL EQUITY	4,619,632	4,126,409
TOTAL LADIT TITLE AND FOUNTY		
TOTAL LIABILITIES AND EQUITY	\$ 8,287,155	\$ 7,699,384

## CONSOLIDATED STATEMENTS OF INCOME Years ended December 31, 2017 and 2016

	2017	2016
Revenues earned	\$ 18,384,023	\$ 16,182,662
Cost of revenues earned	13,811,095	11,709,972
Gross profit	4,572,928	4,472,690
General and administrative expenses	3,693,590	3,679,190
Income from operations	879,338	793,500
Other income (expense): Charitable contributions Gains on disposal of equipment Other income Interest expense Board fees Other expense Total other expense	5,500 (41,700) (108,000) (9,130) (153,330)	(1,850) 17,500 16,732 (46,372) (108,000) (12,214) (134,204)
NET INCOME	726,008	<b>659,</b> 296
Less: Net income (loss) attributed to non-controlling interests	186,418	(90,010)
Net income attributed to controlling interest	\$ 539,590	\$ 749,306

	Common Stock	Additional Paid In Capital	Retained Earnings	Noncontrolling Interests in Members' Equity	Total
Balances at December 31, 2015	<b>\$</b> 161,389	\$ 382,503	\$ 2,618,523	\$ 1,074,698	\$ 4,237,113
Net income (loss)	in.		749,306	(90,010)	659,296
Distributions			(770,000)		(770,000)
Balances at December 31, 2016	161,389	382,503	2,597,829	984,688	4,126,409
Net income		54	539,590	186,418	726,008
Distributions		1077.	(225,000)	ám. Taon	(225,000)
Balances at December 31, 2017	\$ 161,389	<u>\$ 382,503</u>	\$ 2,912,419	\$ 1,171,106	\$ 4,627,417

#### CONSOLIDATED STATEMENTS OF CHANGES IN EQUITY Years Ended December 31, 2017 and 2016

# CONSOLIDATED STATEMENTS OF CASH FLOWS

Years Ended December 31, 2017 and 2016

Increase (Decrease) in Cash

		2017		2016
CASH FLOWS FROM OPERATING ACTIVITIES: Net income				
	\$	726,008	\$	659,296
Adjustments to reconcile net income to net cash provided by operations:				
Depreciation and amortization		200.142		274 610
(Gain) loss on disposal of equipment		390,143		374,519
(Increase) Decrease in:		(5,500)		(17,500)
Accounts receivable, trade		1,362,217)		1 112 206
Accounts receivable - related parties	(	(5,029)		1,112,205 4,197
Costs and estimated earnings in excess of billings on		(3,023)		4,197
uncompleted contracts		326,060		(530,626)
Prepaid insurance		64,962		(330,020) (46,007)
Other current assets		(12,277)		32,111
Increase (Decrease) in:		(12,211)		321111
Accounts payable, trade		53,014		(21,591)
Accounts payable - related parties		(6,642)		48,142
Accrued liabilities		307,683		(167,479)
Billings in excess of costs and estimated earnings on		001,000		(101,117)
uncompleted contracts		132,138		(511,882)
NET CASH PROVIDED BY OPERATING ACTIVITIES		608,343		935,385
CASH FLOWS FROM INVESTING ACTIVITIES:				
Purchases of property and equipment		(674,701)		(594,874)
Proceeds from sale of assets	<u></u>	5,500		17,500
NET CASH USED IN INVESTING ACTIVITIES		(669,201)		(577,374)
CASH FLOWS FROM FINANCING ACTIVITIES:			****	
Proceeds from issuance of long-term debt				
Net (payments) proceeds on line of credit		202,880		453,261
Payments on long-term debt		(65,000)		40,000
Net payments on notes payable		(422,782)		(367,232)
Distributions to stockholders		(106,743)		(19,756)
Partornous to stortholdel3		(225,000)		(770,000)
NET CASH USED IN FINANCING ACTIVITIES		(616,645)		(663,727)
			(C	(paurinued)

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(Continued)

# CONSOLIDATED STATEMENTS OF CASH FLOWS Years Ended December 31, 2017 and 2016

Increase (Decrease) in Cash

		2017	 2016
NET DECREASE IN CASH		(677,503)	(305,716)
CASH AT BEGINNING OF YEAR	destantivanse	892,258	 1,197,974
CASH AT END OF YEAR	\$	214,755	\$ 892,258
SUPPLEMENTARY CASH FLOW DISCLOSURES:			
Cash paid (received) during the year for:			
Interest	\$	41,700	\$ 46,372
State income taxes	\$	1,854	\$ 12,214

DISCLOSURE OF ACCOUNTING POLICIES:

For purposes of the statements of cash flow, the Company considers all highly liquid debt instruments purchased with a maturity of three months or less to be cash equivalents.

#### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS December 31, 2017 and 2016

## NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

#### Nature of Business

Harrison Western Construction Corporation (Harrison) was incorporated in the State of Colorado on March 11, 1988. The Company earns revenues predominantly from construction related to the development of mines and heavy civil engineering construction. These projects are primarily performed in the United States. The Company extends credit to its customers in the ordinary course of business.

Harrison's contracts consist of fixed fee and time and material (T&M) contracts. The length of these contracts is generally less than one year.

ALDA Equipment, LLC (ALDA) was organized in the State of Colorado in November 1999. ALDA leases equipment to companies operating in the civil engineering construction and mining industries, including Harrison. ALDA is a limited liability company (LLC) which is wholly-owned by the stockholders of Harrison. Pursuant to the terms of its operating agreement, no Manager, Officer, or Member of the ALDA shall be bound by, or be personally liable for, the expenses, liabilities, or obligations of ALDA.

Underground Infrastructure Technologies, LLC (UIT) was organized in the State of Colorado in March 2009 as a Limited Liability Company. UIT began 2014 as a single member LLC owned by a Colorado corporation. In July 2014, UIT was purchased by Infrastructure Resources, LLC, a Colorado Limited Liability Company organized in July 2014, for \$750,000. Effective November 1, 2014, Infrastructure Resources, LLC sold 70% of the member units to Harrison Western Construction Corporation for \$525,000. UIT provides trenchless installation services to the utility industry. Services include horizontal auger boring, pipe ramming, pipe bursting, and tunnel installations.

#### Principles of Consolidation

For the years ended December 31, 2017 and 2016, the consolidated financial statements include the accounts of Harrison Western Construction Corporation, its subsidiary, Underground Infrastructure Technologies, LLC, and the variable interest entity (VIE) of ALDA Equipment, LLC, of which Harrison is the primary beneficiary as further described in Note 4, Variable Interest Entities. The consolidated entities are collectively referred to as the "Company". All significant intercompany accounts and transactions, including those involving the VIE, have been eliminated in the consolidated financial statements.

#### Use of Estimates

The preparation of consolidated financial statements in conformity with generally accepted accounting principles requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and disclosure of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (CONTINUED) December 31, 2017 and 2016

# NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

#### Equity

As of December 31, 2017 and 2016, the ownership of Harrison is as follows:

Christopher Hassel	396.90 shares	49.00%
Provost Family Trust	413.10 shares	51.00%

#### Cash Equivalents

For purposes of reporting cash flows, the Company considers all highly liquid financial instruments purchased with a maturity of three months or less to be cash equivalents.

#### Fair Value of Financial Instruments

The estimated fair values of the Company's cash, receivables and payables approximate the carrying value for the periods presented.

#### Accounts and Notes Receivable

As it relates to Harrison, accounts receivable are based on amounts billed to customers. As of December 31, 2011, management determined that an allowance for doubtful accounts was needed based on a review of outstanding receivables, historic collection information and existing economic conditions. Accounts receivable are ordinarily due 30 days after issuance of the invoice. As of December 31, 2017 and 2016, no change to the allowance for doubtful accounts was deemed necessary.

Contract retentions are due 30 days after completion of the project and acceptance by the owner. All accounts past due more than 120 days are considered delinquent. Delinquent receivables are written off based on individual credit evaluation and specific circumstances of the customer.

As it relates to UIT, generally the contracts are as a subcontractor to a general contractor (GC) for a municipality. These contracts contain the provision "paid when paid" and this payment is due seven days after the GC receives payment from the municipality.

#### Property and Equipment

Property and equipment are recorded at cost. Expenditures for major improvements are capitalized, while repairs and maintenance, which do not improve or extend the useful lives of the assets, are expensed as incurred. Depreciation is computed using the straight-line method over the useful lives of the assets, which range from three to ten years. When assets are retired or otherwise disposed of, the cost and related accumulated depreciation are removed from the accounts, and any resulting gain or loss is recognized in income for the period.

Depreciation and amortization expenses for the years ended December 31, 2017 and 2016 totaled \$397,928 and \$374,519, respectively.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (CONTINUED) December 31, 2017 and 2016

# NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

#### Income Taxes

Harrison's stockholders elected to have the income taxed as an S Corporation under provisions of the Internal Revenue Code and a similar section of the Colorado income tax law. Therefore, taxable income or loss is reported to the stockholders for inclusion in their respective tax returns and no provisions for federal and state income taxes are included in these consolidated financial statements. Harrison files composite income tax returns in multiple states on behalf of its shareholders. The state income taxes paid are included in other expenses on the consolidated income statement for the years ended December 31, 2017 and 2016.

ALDA files a partnership income tax return where the taxable income is reported to the members for inclusion in their respective tax returns and no provisions for federal and state income taxes are included in these consolidated financial statements.

UIT files a partnership income tax return where the taxable income is reported to the members for inclusion in their respective tax returns and no provisions for federal and state income taxes are included in these consolidated financial statements.

### Revenue and Cost Recognition

Revenues from construction contracts are generally recognized on the percentage-of-completion method, measured by the percentage of costs incurred to date to estimated total costs for each contract. This method is used because management considers incurred costs to be the best available measure of progress on these contracts. Changes in job performance, job conditions, and estimated profitability may result in revisions to costs and revenues in the next year.

Contract costs include all direct material, labor and sub-contractor costs and those indirect costs related to contract performance. Selling, general and administrative costs are charged to operations as incurred. Provisions for estimated losses on uncompleted contracts are made in the period in which such losses are determined. Changes in job performance, job conditions, and estimated profitability, including those arising from final contract settlements, may result in revisions to costs and income and are recognized in the period in which the revisions are determined. When the estimate on a contract indicates a loss, the Company's policy is to record the entire loss in the year identified.

The asset, "costs and estimated earnings in excess of billings on uncompleted contracts," represents revenues recognized in excess of amounts billed. The liability, "billings in excess of costs and estimated earnings on uncompleted contracts", represents billings in excess of revenues recognized.

## Uncertain Tax Positions

The Company adopted the provisions of FASB ASC 740 on January 1, 2009. The Company has exposures related to income tax filings in the ordinary course of business for the income tax years ended December 31, 2013 through December 31, 2016. The Company's stockholders/members are responsible for the income taxes to be paid on the Company's net taxable income. The Company assesses its income tax positions on its revenue and expenses based upon the latest information available. For those matters identified where an adjustment could be asserted, the Company will make distributions to assist the shareholders with the payment of these liabilities. Currently, there is no expected impact on operations, liabilities or equity.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (CONTINUED) December 31, 2017 and 2016

# NOTE 1 SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES (CONTINUED)

#### Sales and Use Taxes

The Company's services are subject to sales and use taxes in certain jurisdictions. These taxes are collected from customers, remitted to the respective agencies, and are excluded from revenue and expense in the consolidated financial statements as presented.

## NOTE 2 ACCOUNTS RECEIVABLE, TRADE, NET

The components of accounts receivable, trade, net are as follows at December 31:

	2017	2016
Completed contracts	\$ 1,050,056	\$ 924,598
Contracts in progress	3,262,674	2,448,167
Retainage	1,025,465	603,173
Other		
Less allowance for doubtful accounts	5,338,195 (194,325)	<b>3,975,978</b> (194,325)
Total accounts receivable, trade, net	<u>\$ 5,143,870</u>	<u>\$_3,781,653</u>

## NOTE 3 COSTS AND ESTIMATED EARNINGS ON UNCOMPLETED CONTRACTS

The components of costs and estimated earnings on uncompleted contracts are as follows:

	2017	2016
Costs incurred on uncompleted contracts	\$13,361,164	\$ 7,053,204
Estimated carnings		2,189,114
Total revenues on uncompleted contracts	16,156,995	9,242,318
Less billings to date	<u>(16,469,151)</u>	(9,096,276)
Net Costs and Estimated Earnings on Uncompleted Contracts	<u>\$ (312,156)</u>	<u>\$ 146,042</u>

The above amounts are included in the accompanying consolidated balance sheets under the following captions:

# NOTE 3 COSTS AND ESTIMATED EARNINGS ON UNCOMPLETED CONTRACTS (CONTINUED)

	2017	2016
Costs and estimated earnings in excess of billings on uncompleted contracts Billings in excess of costs and estimated earnings	\$ 232,836	\$ 558,896
on uncompleted contracts	(544,992)	(412,854)
Total	<u>\$ (312,156)</u>	<u>\$ 146.042</u>

### NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (CONTINUED) December 31, 2017 and 2016

#### NOTE 4 VARIABLE INTEREST ENTITIES

FASB Interpretation No., (FIN) 46 (revised December 2003), Consolidation of Variable Interest Entities, addresses the consolidation by business enterprises of variable interest entities. Variable interest entities are those that expose the holder of the interest to the entity's expected losses and expected residual returns. Among other requirements, the FIN provides that consolidation is required to the extent the entity is unable to finance its activities without additional financial support from the holder of the variable interest. The FIN requires consolidation of variable interest entities for periods beginning after December 15, 2004, for interests in such entities created before January 1, 2004.

The adoption of FIN 46(R) on January 1, 2008 resulted in the consolidation of one variable interest entity (VIE), ALDA Equipment, LLC, of which Harrison is considered the primary beneficiary. Due to the Harrison's history of providing on-going subordinated financial support to ALDA through consolidation the Company absorbs all net losses of the variable interest entity in excess of the equity of the affiliate. All net earnings or losses of the variable interest entity is attributed to the equity owner of the affiliate and shown as non-controlling interest on the Company's financial statements. The initial consolidation of the VIE resulted in an increase in the Company's total assets, liabilities, and non-controlling interest in member's equity (deficit) of approximately \$596,000, \$929,000, and (\$333,000), respectively. There was no impact on the 2008 income statement or cash flows, since consolidation was deemed to have occurred at December 31, 2007.

The liabilities of ALDA consolidated by the Company do not represent additional claims on the Harrison's general assets; rather they represent claims against the specific assets of ALDA, the VIE. Likewise, the assets of the VIE consolidated by the Company do not represent additional assets available to satisfy claims against the Harrison's general assets. To offset the credit risk associated with the Harrison's variable interest in the VIE, Harrison holds a security interest in the assets of the VIE, subordinate only to third-party bank interests, if any.

#### NOTE 5 LINE OF CREDIT

The Company entered into a new \$1.5 million revolving line of credit agreement with Citywide Bank that expires on July 17, 2018. The new line is collateralized by all business assets of Harrison and ALDA. The line of credit is guaranteed by UIT (up to \$350,000) and Chris Hassel. Interest is payable monthly at the bank's prime rate plus 0.50% (prime was 4.50% at December 31, 2017) but not less than 3.75%. At December 31, 2017 and 2016, the outstanding line of credit balance totaled \$85,000 and \$150,000, respectively. Interest paid for 2017 and 2016 on the line of credit is included in interest expense.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (CONTINUED) December 31, 2017 and 2016

## NOTE 6 LONG-TERM DEBT

Long-term debt consists of the following at December 31:

Long-cern debt consists of the following at December 31:	2017	2016
	2017	
Note payable to Citywide Bank; interest rate at 3.75%; interest only through January 2016; principal and interest payments at \$7,331; payable monthly through January 2021; secured by new equipment purchased by UIT and Harrison; guaranteed by Chris Hassel	\$ 202,454	\$    280,955
Note payable to Citywide Bank; interest rate at 5.00%; interest only through January 2018; principal and interest payments at \$17,295; payable monthly through January 2019; secured by all equipment owned by UIT and Harrison; guaranteed by Chris Hassel	202,880	2
Note payable to Citywide Bank; interest rate at 3.75%; principal and interest payments at \$10,121; payable monthly through July 2019; secured by all business assets of Harrison, ALDA and UIT; guaranteed by Chris Hassel	185,783	297,895
Note payable to John Deere Financial; non-interest bearing; principal payments at \$1,185; payable monthly through November 2019; secured by 333E Compact Track Loader	20,138	34,352
Note payable to Komatsu Financial; non-interesting bearing; principal payments at \$8,156; payable monthly through January 2021; secured by Komatsu PC490LC-11 Hydraulic Excavator	301,776	391,493
Note payable to Summit Funding Group under Master Lease Agreements; interest at 6.42%; monthly principal and interest payments of \$4,452 through August 2019; secured by various equipment purchased through the Lease Agreements	71,011	130,629
Note payable to Komatsu Financial; non-interesting bearing; principal payments at \$5,620; payable monthly through December 2019; secured by Komatsu PC390LC-10 Hydraulic Excavator		202,318
Total Less current maturities of long-term debt	1,117,740 (632,413)	1,337,642 (410,509)
Total long-term debt	<u>\$ 485,327</u>	\$ 927,133

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (CONTINUED) December 31, 2017 and 2016

## NOTE 6 LONG-TERM DEBT (CONTINUED)

Maturities of long-term debt are as follows:

Year Ending December 31,

2018 2019 2020 2021		\$	632,413 347,580 129,591 8,156
Total		<u>S</u>	.117,740

#### NOTE 7 NOTES PAYABLE

The Company financed \$252,846 and \$186,812 of its combined insurance policy for the 12 month periods ended June 30, 2017 and 2016, respectively. The combined policy included various coverage premiums for Harrison, UIT and ALDA for the policy periods ended June 30, 2017 and June 30, 2016, respectively. The interest rates were 5,30% and 5,30%, for the policy periods ended June 30, 2017 and 2016, respectively. Principal and interest payments of \$21,348 and \$19,138 were payable monthly through May 2017 and were paid monthly through April 2016, respectively.

The insurance costs are allocated to the Company and related affiliates as outlined in Note 11 based on certain parameters. The balances of \$106,743 and \$94,435 are listed as a current liabilities on the Company's consolidated balance sheets as of December 31, 2016 and 2015, respectively.

The Company financed \$51,879 on its vehicle insurance policies for the 12 month policy period ended June 30, 2016. The vehicles included those owned by Harrison and ALDA for the policy period ended June 30, 2016. The insurance costs are allocated to the Company and related affiliates as outlined in Note 11 based on certain parameters. The balance of \$32,064 was listed as a current liability on the Company's consolidated balance sheet as of December 31, 2015. Balance was paid in full in 2016.

The Company changed insurance carriers, and the new carrier direct bills the premiums on a monthly basis.

#### NOTE 8 PROFIT SHARING PLAN

The Company has a 401(k) profit sharing plan covering substantially all employees. The Company's contributions to the plan are determined annually by the board of directors. The Company did not make any contributions to the plan for the years ended December 31, 2017 and 2016.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (CONTINUED) December 31, 2017 and 2016

## NOTE 9 RELATED PARTY TRANSACTIONS

The Company is affiliated with several other entities by common ownership or these entities are owned by family members of its former stockholder. The Company has the following transactions with related parties:

The Company makes unsecured, non-interest bearing advances to various affiliates. As of December 31, 2017 and 2016, the amounts due from these affiliates totaled \$5,483 and \$454 respectively.

The Company rents its main facility under a month-to-month operating lease from an entity primarily owned by the Company's majority stockholder. During the year ended December 31, 2017 and 2016, the Company incurred lease costs of \$93,600 each year respectively and made payments of \$106,400 and \$39,300, respectively. At December 31, 2017 and 2016, accrued and unpaid rent under the lease totaled \$64,900 and \$77,700, respectively, and is included in the consolidated balance sheets under accounts payable - related parties.

#### NOTE 10 BACKLOG

The estimated remaining gross revenues and estimated unrecognized gross profits on work to be performed on signed contracts at December 31, 2017, are as follows:

Estimated gross revenues	\$ 11,259,305
Estimated unrecognized gross profits	1,885,274

#### NOTE 11 CONCENTRATION OF RISK

Financial instruments that potentially subject the Company to credit risk include cash and contract receivables. Under FDIC rules, the deposits in non-interest bearing accounts are insured up to \$250,000. At December 31, 2017, Harrison's, ALDA's and UIT's cash balances were fully insured at year end.

The Company operates and grants credit to customers. With the exception of the Corske Mine Development receivable, the Company does not believe that it is exposed to any significant credit risk in connection with the extension of credit to its customers. Historically, the Company's bad debt expense has been extremely low.

For the year ended December 31, 2017, Harrison had three customers that represented approximately 57% of its total revenue and accounted for approximately 71% of its outstanding accounts receivable, trade balance.

For the year ended December 31, 2016, the Company had three customers that represented approximately 35% of its total revenue and accounted for approximately 61% of its outstanding accounts receivable, trade balance.

## NOTES TO CONSOLIDATED FINANCIAL STATEMENTS (CONTINUED) December 31, 2017 and 2016

## NOTE 12 LEASE COMMITMENTS

The Company also leased two copiers under an operating lease which was extended for 36 months in August 2012. The monthly payment was \$790 through July 2015. In March 2015, the Company entered into a new lease on these copiers. The new monthly payment is \$659 through March 2020.

The Company leases 10 trucks to be used at various different job sites. These costs are allocated to job costs when applicable. The monthly payments varied from lease to lease with six leases expiring in 2015 and four leases that expired in 2016. In addition, during 2015, the Company leased an additional 10 trucks to replace those where the lease had lapsed plus additional trucks needed for UIT personnel, ALDA personnel, and Harrison personnel.

The following is a schedule of future minimum lease payments required under the leases as follows:

Year Ending December 31,	
2018 2019 2020 2021 2022	\$ 128,858 122,201 78,420 22,848 8,668

Rent expense for the years ended December 31, 2017 and 2016 totaled \$123,793 and \$124,462, respectively.

## NOTE 13 SUBSEQUENT EVENTS

All transactions have been evaluated through February 28, 2018, the date of the financial statements, as required under FASB ASC 855.

Harrison has entered into several new construction contracts from January 1, 2018 through the date of the financial statements. The total estimated contract revenue for these projects totals approximately \$1.2 million.

UIT has entered into several new construction contracts from January 1, 2018 through the date of the financial statements. The total estimated contract revenue for these projects totals approximately \$1.1 million. In addition, three contracts were signed in 2017 but the work did not begin until 2018. Total estimated contract revenue for these contracts totals approximately \$230,000.

# CONSOLIDATING AND SUPPLEMENTARY INFORMATION

# GARY L RYAN & ASSOCIATES LLC

Certified Public Accountants and Business Consultants

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## INDEPENDENT AUDITOR'S REPORT ON CONSOLIDATING AND SUPPLEMENTARY INFORMATION

To the Board of Directors and Stockholders Harrison Western Construction Corporation Lakewood, Colorado

Our report on our audit of the consolidated financial statements of Harrison Western Construction Corporation, Subsidiary and Affiliate as of December 31, 2017 appears on pages 1 and 2. The audit was conducted for the purpose of forming an opinion on the basic consolidated financial statements taken as a whole. The consolidating information on pages 18 and 19 as of December 31, 2017 and for the year then ended has been subjected to the auditing procedures applied in the audit of the consolidated financial statements, and is presented for the purpose of additional analysis of the consolidated financial statements rather than to present the financial position, results of operations, and cash follows of the individual companies. Accordingly, we do not express an opinion on the financial position, results of operations, and cash flows of the individual companies. However, in our opinion, the consolidating information is fairly stated in all material respects in relation to the consolidated financial statements taken as a whole.

Our report on our audit of the consolidated financial statements of Harrison Western Construction Corporation, Subsidiary and Affiliate as of December 31, 2017 appears on pages 1 and 2. The audit was conducted for the purpose of forming an opinion on the basic consolidated financial statements taken as a whole. The supplementary information contained in Schedule I for the year ended December 31, 2017 is presented for purposes of additional analysis and is not a required part of the basic consolidated financial statements. Such information has been subjected to the auditing procedures applied in the audit of the basic consolidated financial statements, and, in our opinion, is fairly stated in all material respects in relation to the consolidated financial statements taken as a whole.

Gary L Ryan & Associates, LLC

Aurora, Colorado

February 28, 2018

#### CONSOLIDATING BALANCE SHEET December 31, 2017

<u>ASSETS</u>	Harrison Western Construction Corporation	ALDA Equipment	Underground Infrastructure Technologies LLC	Elimínmions	Consolidated Totals
Current Assets:					
Cash	\$ 137,775	\$ 12,014	\$ 64,966	s 😪	\$ 214,755
Accounts receivable, trade, net	4,055,079		1.088,791		5,143,870
Accounts receivable - related parties	1,067,033	1,137,438	138,149	(2,337,137)	5,483
Costs and estimated earnings in excess of				(4)04.1,101.)	0,400
billings on uncompleted contracts	168,005	-	64,831		232,836
Prepaid insurance	77,575	-40*	-	*	77,575
Other current assets	13,863	5,835	30,273	-	49,971
TOTAL CURRENT ASSETS	5,519,330	1,155,287	1,387,010	(2,337,137)	<b>5,72</b> 4,490
Property and Equipment - at cost:					
Vehicles and trailers	40,515	21,631			50 A I S
Equipment	503,007	2,496,464	2,019,148	•	62,146
Office furniture and equipment	169.850	2,490,404			5,018,619
	713,372	2,518,095	2,019,148		169,850
Less accumulated depreciation and amortization	(306,274)	(1,939,924)	(533,967)	-	5,250,615
			(050,707)		(2,780,165)
NET PROPERTY AND EQUIPMENT	407,098	578,171	1,485,181	5	2,470,450
Other Assets:					
Investment in subsidiary	1,066,147	•	-	(1,066,147)	
Investment - Other	100,000	-		(1,000,147)	100.000
					100,000
TOTAL OTHER ASSETS	1,166,147		60 **********	(1,066,147)	100,000
TOTAL ASSETS	\$ 7,092,575	\$ 1,733,458	\$ 2,872,191	\$ (3,403,284)	\$ 8,294 940

LIABILITIES AND EQUITY	Harrison Western Construction Corporation	ALDA Equipment LLC	Underground Infrastructure Technologies LLC	Eliminations	Consolidated Totals
Current Liabilities:					
Accounts payable, trade Accounts payable - related parties Line of credit Notes payable	\$ 998,089 1,233,820	\$	\$ 227,128 210,796 85,000	\$ (2,337,137)	\$ 1,276,055 71,058 85,000
Current maturities of long-term debt Accrued liabilities:	414,889		217,524		632,413
Salaries and bonuses Insurance	287,682 82,654	<u>_</u>	99,380		387,062 82,654
Other Billings in excess of costs and estimated earnings	79,096	1,095	22,771	<u> </u>	102,962
on uncompleted contracts	402,835		142,157		544,992
TOTAL CURRENT LIABILITIES	3,499,065	1,015,512	1,004,756	(2,337,137)	3,182,196
Long-term debt, net of current maturities	137,199	*****	348,128		485,327
TOTAL LIABILITIES	3,636,264	1,015,512	1,352,884	(2,337,137)	3,667,523
Equity Common stock - no par value, 10,000,000 shares					
authorized; 810 shares issued and outstanding Additional paid in capital	161,389 382,503	ā		-	161,389 382,503
Retained earnings Non-controlling interest in members' equity	2,912,419			20	2,912,419
Members' equity		717,946	1,519,307	1,163,321 (2,229,468)	1,163,321 7,785
TOTAL EQUITY	3,456,311	717,946	1,519,307	(1,066,147)	4,627,417
TOTAL LIABILITIES AND EQUITY	\$ 7,092,575	<u>\$ 1,733,458</u>	\$ 2,872,191	\$ (3,403,284)	\$ 8,294,940

See independent auditor's report on consolidating and supplementary information.

	Harrison Western Construction Corporation	ALDA Equipment	Underground Infrastructure Technologies LLC	Eliminations	Consolidated Totals
Revenues carned	\$ 12,709,284	<b>\$</b> 646,997	\$ 5,669,434	\$ (641,692)	\$ 18,384,023
Cost of revenues earned	10,417,134	219,087	3,816,566	(641,692)	13,811,095
Gross profit	2,292,150	427,910	1,852,868	44	4,572,928
General and administrative expenses	1,939,403	377,260	1,406,927	(30,090)	3,693,590
Income (loss) from operations	352,747	50,650	445,941	30,000	879,338
Other income (expense): Investment in subsidiary Charitable contributions Gain on sale of assets Other income Interest expense Board fees Other expense	303,955 29,547 (29,982) (108,000) (8,677)	5,500	(11,718)	(303,955) (29,547) (453)	5,500 (41,700) (108,000) (9,130)
Total other income (expense)	186,843	5,500	(11,718)	(333,955)	(153,330)
NET INCOME	539,590	56,150	434,223	(303,955)	726,008
Less: Net income attributed to non-controlling interests	20 	0 <u>2</u>	րոնիսվարատություն, մերը ընդերություն Ձե	186,418	186,418
Net income attributed to controlling interest	\$ 539,590	<u>\$ 56,150</u>	\$ 434,223	<u>\$ (490,373)</u>	<b>\$</b> 539,590

#### CONSOLIDATING STATEMENT OF INCOME Year Ended December 31, 2017

See independent auditor's report on consolidating and supplementary information.

	Cor	larrison Western nstruction rporation		ALDA uipment LLC	lnf	derground instructure chnologies LLC	Elim	inations	Co	nsolidated Totals
Accounting fees	S	106,138	5	1,475	\$	5,953	\$	-	\$	113,566
Automobile/vehicle		2.730	-	34	-	1.715		*	-th	4,479
Bank fees		11.884		_		4,440		_		16,324
Bid expenses		80,463				7.616				88,079
Consulting		9,468		-		.,010		-		9,468
Conferences		6.318		÷.						6,318
Company functions		5.611				315				5,926
Computer		52,312		-		3,454				55,766
Computer lease expense		13,207								13,207
Depreciation and amortization		44,930		135.213		210,000				390,143
Dues and subscriptions		23,100		2		4,467		-		27.567
Equipment lease expense		24,868		15,316		42,830		-		83,014
Insurance		17,722		12,240		227,639		-		257,601
Insurance - health		48,444		6.354		88,956				143,754
Legal		5,529		-		9,040				14,569
Marketing		18,956		-		2,040		-		18,956
Meals & entertainment		6.881				3.116				9,997
Office supplies		13,255				5,212				18.467
Other		49,939		(4.016)		10,763		*		56,686
Permits and licenses		3.608		(-1,010)		391				3,999
Postage & delivery		5,643		564		278				
Printing		2,802		204						6,207
Recruiting		34.508				26,541				2,802
Rent		71,643		30.000		30,000	1	30,000)		61,049 101,643
Salaries	1	,133,810		178.584		700.003	0	50,000)		
Supplies		16,787		1.416		4.608				2,012,397 22.811
Taxes - other		5.320		11410		-1,000		- 10		*
Telephone		17.102		80		8,454				5,320
Travel		50.734		00		11,414				25,636
Utilities		55.691				11,414		- S		62,148
		33,071				-	و الم المراجع المالية الم			55,691
TOTAL GENERAL AND										
ADMINISTRATIVE EXPENSES		636 402								
WARDED TO THE EVERAGES	2 1	,939,403	\$ .	377,260	5	,406,927	\$ (.	30,000)	5	3,693,590

#### SCHEDULE 1 - GENERAL AND ADMINISTRATIVE EXPENSES Year Ended December 31, 2017

See independent auditor's report on consolidating and supplementary information.

# HW HISTORICAL JOB LIST 2015 - 2018

Project #	Project Name
20-15-201	Broadmoor - 7 Falls Sair Eval
20-15-202	Seven Falls - Kichen Excavatio
20-15-203	Hutchinson Salt - Headframe En
20-15-204	Hutch Salt - Shaft Inspection
20-15-205	Seven Falls - Elev Shaft Liner
20-15-206	TESLA - Tunnel Inspection
20-15-207	Hutch Salt - Headframe Const
20-15-208	Seven Falls - Funicular
20-15-209	CDOT Seven Sister Avalanche
20-15-210	18th & Chestnut Shoring
20-15-220	Gold King - 2015 Rehab
20-15-221	United Salt - Mill Building
20-15-222	American Rock - 5 Rm Rehab
20-15-223	CAPTAIN JACK- UNDERGROUND
20-15-224	Rock City - Complex 2015, Roof
20-15-225	United Salt - 2015 Mine Assist
20-15-226	Twenty Mile - Vent Shaft
20-15-227	Interipid - East #1 Shaft
20-15-228	Seven Falls - Zipline Anchors
20-15-229	Intrepid Potash-West Mine Main
20-15-230	INTREPID POTASH- EAST MINE MAIN
20-15-231	Milton Seaman Reservoir Outlet
20-15-234	CSM-EGAR MINE PROJECT
20-15-310	18th & Chestnut
20-15-312	Central Denver Rec Center
20-15-401	Mt Elbert Due Diligence
20-15-501	Henderson Mine - Devel Assist
20-15-502 20-15-503	Henderson Mine - URAD Gasket Henderson Mine - Piping
20-15-503	Henderson Mine - Piping Henderson Mine - Mem/GrateURAD
20-15-504	Henderson Mine - Grate RR WWP
20-15-505	Henderson - 7500 Pump Area
20-15-508	Henderson - Glycol Tanks
20-15-507	Henderson - MSHA Repairs
20-15-508	Henderson - URAD Clarifier Dit
20-15-509	Henderson - HR 728 Fuel Strg
20-15-510	Henderson - Welding Misc Equip
20-15-512	Henderson - Gester Handrails
20-15-512	Henderson - URAD Water
20-15-513	Henderson - Master Misc Tasks
20-15-515	Henderson - Heat Exhg URAD RR
20-15-516	Henderson - Pipe Removal
20-15-517	Henderson-URAD Water Valve Sup
20-15-518	Henderson - Concrete Repair
20-15-519	Henderson - Headframe Clean #2
20-15-520	Henderson - Louver Fab
20-15-521	Henderson - Shaft Conc Remove
20-15-522	Henderson - Concrete Chip 8782

Project #	Project Name
20-15-523	Henderson - Concret Chip 8762
20-15-524	Henderson - Conc Wrhse Floor
20-15-525	Henderson - Chute T82A
20-15-525	Henderson - Chute T86A
20-15-527	Henderson - Chute T92A
20-15-527	Henderson - Chute T62N
20-15-529	Henderson - Shaft Landing Rep
20-15-530	Henderson - Gester Move 512
20-15-531	Henderson - Collar House
20-15-532	Henderson Fuel Kick Plates
20-15-533	Henderson 7500 Lvl Rep FireDr
20-15-534	Henderson - Airline #2 Shaft
20-15-535	Henderson - Shaft Land @10167
20-15-536	URAD - Sonfill
20-15-537	Henderson - Weld Pad Eyes
20-15-538	Climax - CAVR Shaft Closure
20-15-540	Henderson - Inst Actuator Louv
20-15-541	Henderson - Fill 48" Pipe URAD
20-15-542	Henderson - Gate Posts URAD
20-15-900	1208 Quail Yard Clean-Up
20-16-201	Am Rock 1 Room/5 Yard
20-16-202	Screen Gallery Rehab
20-16-203	Big 5 Tunnel Repair
20-16-204	Independence Micropiles
20-16-205	Granby Dam Spillway Repairs
20-16-206	5 Room Remedial Bolting
20-16-207	Mill & C2 Bolting-Cote Blanche
20-16-208	Morton Salt - Grand Saline
20-16-300	Sugar Building
20-16-301	Louisville UIT Grout
20-16-302	Vallagio Professional Building
20-16-303	Valmeyer - Ground Control
20-16-304	BLACKJACK GAZEX INSTALLATION
20-16-305	Wasatch Apartments
20-16-306	Michigan Ditch Tunnel Grout
20-16-307	Co Sprgs Utilities Tunnel Insp
20-16-308	Pueblo Dam Repairs
20-16-309	Station #5 Rock Scaling
20-16-310	Upper North Pipeline / Lyons
20-16-311	Carter Lake-CR3-Larimer County
20-16-401	Production Hoist Eng. Study
20-16-402	Ouray Silver Mines - Engineeri
20-16-403	WYSEO Relining Seminar
20-16-404	North Rim Exploration Consulti
20-16-500 20-17-201	Pueblo Dam
	Cargill-Avery Island 1850 Wash
20-17-202 20-17-203	United Salt - Hockley Plant NYRSTAR-WEST A CONVEYOR CORRID
20-17-203	CONVERSION CONVERSION CORRES

Project # **Project Name** 20-17-204 Cote Blanche - Crusher Bolting 20-17-205 ASL VAULT EXPANSION 20-17-206 STANDARD MINE 20-17-208 NYRSTAR- T&M RATES FOR MINERS 20-17-209 QUANDRY TUNNEL REHAB 20-17-210 FOLSOM ROCKBOLTS 20-17-211 DENVER WATER CONDUIT FLUME 6 20-17-212 United Salt - Hockley Plant 20-17-213 HSB FAN INSTALLATION 20-17-300 Broadmoor-Seven Falls-Grouting 20-17-301 UNC Campus Commons + Shoring 20-17-302 Woodland Park 20-17-303 JACOBS ENT- DAKOTA CANYON EXC 20-17-304 Woodward Drake Reno 20-17-305 Cheesman Rock Stabilization 20-17-307 Upper North Pipeline Tunnel 20-17-500 Henderson #2 Shaft Fan Change 20-17-501 Henderson - #2 Shaft 20-17-502 Henderson - #2 Shaft Bullwheel 20-17-503 Henderson - Impact Box Repair 20-17-504 Keystone Mine Portal 20-17-505 HENDERSON-U93 VENT RAISE PIPE 20-17-506 HENDERSON- ORE LOADING CHUTES 20-18-200 NYRSTAR MISC, CRUSHER OPS 20-18-201 INTREPID POTASH- E PROD SHAFT 20-18-202 RIO GRANDE DAM PHASE 2 20-18-203 Cote Blanche Ground Control 20-18-204 Commodore 5 Tunnel Rehabilitation 20-18-205 LYONS SALT SUMP & BULKHEAD GROUTING 20-18-206 MILTON SEAMAN - CONDUIT PROTECTION 20-18-301 BOULDER FALLS SLOPE MITIGATION 20-18-302 US34 DILLE DAM SOIL MIX ANCHOR 20-18-303 South Boulder Collection System 20-18-304 GOLD ROAD MINING CORP., AZ 20-18-305 JEFFCO Master Service Contract 20-18-306 Monarch Soil Nail Wall 20-18-500 HENDERSON 14" SURFACE PIPE 20-18-501 HENDERSON- 405 TUNNEL BOLTING 20-18-502 HENDERSON- PC1 CRANE SUPPLY 20-18-503 HENDERSON- CRUSHER CRANE 20-18-504 Henderson 8100 20-18-507 Henderson - T88D Rock Box T&M 20-18-508 Henderson - Emergency Repair 20-18-509 Henderson - Dry Repair 20-18-510 Henderson - Compressor DEMO 20-18-511 Henderson - 7150 Bulkhead 20-18-512 HENDERSON URAD - LPH CLEANOUTS

#### Project # Project Name

- 20-18-513 HENDERSON OFFICE CORE DRILLING
- 20-18-514 HENDERSON DUCON STACK REPLACEMENT
- 20-18-515 HENDERSON SERVICE TRUCK REPAIR
- 20-18-516 HENDERSON RECLAIM LOAD TESTING
- 20-18-517 HENDERSON SHAFT 14" PINE
- 20-18-518 URAD Environmental
- 20-18-519 Mt Emmons Belt Filter Upgrade
- 20-18-521 Henderson LPH Emergency Repair
- 20-18-522 Henderson Crusher Gear Rental
- 20-18-523 Henderson Rail Head Pick

#### Equipment List

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Usiny Vehicles-Kubote L5043	e 1	2007	······	(Kutota	LSC40 Trst	
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Compressor, Guller 185	1 1	1998 2013 rec		15. male		
Compressor, Q/D 1050	1	1998 2015 repair	The second			
Compressor, Air Dryer 2000chm	1 1	2011				
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	1	2012				
Suffer 1000cfm 200ng Elect	1	2012		Bullete		
	1	2015 NW		Suffman		
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on Equipment						0
Loader, Caterpiter 966D	1 1	2005 pur 2006 receir		i Caturnite	19540	
Dombardier BM-50 Snow Blower	1 1					
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#### Equipment List

Equipment	Description	Quantity	Year Added to FA	Serial Number	Make	Model	
50-64413	Flocting Ram	1	2018				
0-90053	Sand Blaster - Pot	1	2018		Erroire	(Super 550	
0-90055	Masonry Saw, 14", 2.5 HP, Elec	3	2018		Elimod Prici	CCSCOM	
69006-0	Pipe Threader	1	2018		Poget	1221	
0-90071	Mini Excevator & Drilling Attechment	1	2016	·····	repo	1244	
0.90072	Power Wacher		2016				
50-60073	1 Scasar LA		2015		Houy		
50-90074	(Screen Lift		2017	and it is not a second se		JUTTIBL	
Cargo Co	and provide the second projection of the linear second second second					LEIATUL	
50-72001	Carryo Cuntatmer, 40, Grean	1	1998	an an a sharpparipari a a sa sa sa sa sa sa sharpparipari an			
50-72002	Cargo Container, 40, White		1995				
50-72003	Cargo Conteiner, 20, Red	1	1998				
					· · · · · · · · · · · · · · · · · · ·		
50-72004	Cargo Container, 24", Brown	1	1996				
50-72005	Cargo Container 8' x 20'	1	2005		1.1.1		
50-72010	Cargo Container, 20', Red	1	2018				
50-72011	ICargo Container, 20', Brown	1	2018				
50-72012	Cargo Container, 40', White	1	2018				
Drills				and a second and a second a s			
50-22001	iCore Brill Dyamic 260 w/ Power	1	1898		Atlan Copco		
50-22002	Core Drill Dyemic 250	1	1990	The second states in the Constitution of the property of the second states and the secon	Hulquvena	and the second s	
50-22010	(Drill Cerner, G/D, All Tret	1	1998	A DESCRIPTION OF THE DESCRIPTION OF ADDRESS OF THE DESCRIPTION	Gridne Dirive	ATD 3100	
50-22020	Drill Carrier-G/D 3700 Artrax	1 1	1958		Grdnr Dryr	13700 Anrik	
50-24401	Shah Jumbo, Tanvoct, 3 Boom	1	6991		Tamrock	13 EH 2	
50-26201	Drill-Longear 30 HIP Electric	1 1 1	1998	and the property of the second s	Longymer	(30 HP Elec	
50-28202	FOrdI-G/D PR-66 #58PR026T	sec22292 1	1998		Grant Drive	IPR 45	
50-26203	DIGI-OLD PR-65 #38PR101T	188.25292 1	1095 1		: Granz Drive	iPR 55	
50-26204	Ore-G/D PR-05 #88PR1031	> h0+22292	1998	a men a destruction of the second	iGran Dovr	PR 55	
50-20205	Dill-G/D PR-85 #371741	\$6473252 L	1998	Scholarden Arten and Scholarden and Scholarden and Scholarden and Scholarden and Scholarden and Scholarden and S	Grider Dryr	PA 55	
50-28206	Dr8I-G/D PR-65 #371742	1 80625202 1	9991	a contraction of the second seco	(Gron Drive	IPR 55	
50-28207	Onll-G/D PR-55 #375358	188823292	1958	the rate of the second s	Gron Dry	PR 55	
50-25208	DISI-G/D PR-65 #367963	50025292	1958		Grow Drive	PR 55	
50-28209	13/11-G/J 123 #A528	10023292	1298		[Grdnr Drvr	10H123-1	
50-28210	Dr61-G/0 123 #162	1 2023252 1	1968	and there is an a state of a statement of	(Growt Drive	(D-03	-
50-28211	Dr81-G/D 123 #185	3462829C	1998 - 1		Grdnr Unvr	10-03	
50-20212	[Drfll-G/D 123 #C205	6rs26292	1996	to other and the second s	Perder Drive	104173-1	
50-26213	DHE, GAD 95	\$4372722	1996	CONTRACTOR AND COMPACT AND	Forsing Drive	ID-#3	
50-26214	Dill-G/D 93 #118	1 \$84125292	1996 1		i Granz Dr.vz	10-10	-10-
60-25215	Drdl-G/D 93 #117	1 86025292	1598 /		Graine Drive	93	
50-26218	Dr2 - G/D 93 #126	54625292	1998	and a second of the second of the second sec	(Grear Drive	1023	
50-26218	(Droll, G/D 83	66622237	2018	· · · · · · · · · · · · · · · · · · ·	Grour Drive	83	<u> </u>
50-26221	Dnii, G/D 58	66625292	2018		Grdnr Dryr	883 <sup>4</sup> \T	
XI-25223	(Dell, Sinker	86626292	2018		[G/0	083711	
50-28224	Dritt. Sinker	#he25292	2518		6/0	58	
50-20220	Drib,	60-823202	2018	·····	Gron Dovr	[3-03-1	
\$0-28226	(Drbi, Sinter	\$4625292	2018		10/0	58	
50-26233	Drift, G/D 56	5/026292	2016	· · · · · · · · · · · · · · · · · · ·	Grint Drov	58	-
50-28234	Stoper	30025292	2018		Gross Drive	HC01	
60-26236	1Stoper	80025297	2015		Grone Drive		
50-25235	I Stoper, G/D R883	30978292	2018		Grider Drive	A1034	
	a statement of all Physics and a statement of the stateme	i saaratya	4714		Isidder Drive	A103-1F	

#### Equipment List

Equipment	Description	Guantity	Year Added to FA	Serial Number	Make	Model	
	Sloper,	abe 26232	2018		Gran Drive	1A1034-1F	
	[DHI], G/D 58	man22232	2018		Grint Drur	B8/B-18	
0-26239	Driff, G/D 58	\$9625282	2018		Circles Drive	18878	
	1 Chipper	tot26202 1	2018			ADP	
	Dras II.	10426292	2018		Chiog Print	CP1243	Middah pile
50-26243	1 Dria	84920292	2016		Chicg Prime	CP-1240	
	1041	30076292	2018		Cleviend	HIAOL	
50-28245	[Drd]	64626292 1	2018		Clevend	1464	Publishing and a second
50-26248	Drill (Independent rotation)	844232292	2918	*******	Grdnr Drvr	125	
50-26247	Ditti Jactong Sacan	sac20297 1	2015		ь басал	1.lackleg	
50-26248	Drill Secon Jackleg	3-0d20392	2015		15ecen	(Jaciles	
50-28249	Drill Secen Jackieg	56#25292 :	2015		1Secen	1.lacilleg	
0-26250	[Dett]	\$4025202 :	2018	·····	Grdar Dryr	SB3F1T	
50-26251	[Drg]	10e28292	2018	·····	Order Deve	SAJETT	
50-26262	(Dral	10425202	2018		10rdat Dive		l Stitlesterreiter
	* Drail	141020292	2018		Gran Drw	583F1	- the states are set
The Party Name and Address of the Owner, which the Party Name and Party Na	(CyrB)	34675292 1	2018			SAIF1T	
50-26256	<sup>1</sup> Chipper	3482C297	2018		Grater Drive lingest Red	683141	
50-26257	Chipper	#6928792	2918			73	
50-2628E	Chipper	\$2025292 1	2018		Ingral Red	95	
	(Drd	64628292	2018		Ingral Rnd	05	-
	+Drill	98425292 }	2018		Ingral Rod	1943	
50-26261	<sup>1</sup> Ord	64e23292 1	2016	······································	Ingrai Red	648	
	lors	\$8623292	2018		Ingrsi Rnd	ATJRSta	
and the second design of the s	(Choow	60825282	2018		ingrei Rad		
50-28264	* Detil	#0#25292 1	2018			95	
50-26265	Drtl - Hydmulia	19625232	2018			BR-19	
50-28268	Chipper	68926262	2018			191-50-1033	
50-28267	*Chipper					URB	
	(Drill (Hydroulic)	3#025292	2018			LHB5	
50-25275	ID(3)	se 628292	2018		Stanley	8R-37-0053	
50-28276	*Draf	56928292	2018		Shert Wite		
		56925292	2018		Susiven		
	i Onit I	34#25292	2010		Tamrock	HLA36T	
		sec25292	2018		Tomrock	HURSDEL	
50-20284	Dall	10126292	2918		Geder Devr	83	
50-20285	Oria, Chapper	89426292	2018		Chicago	CP4123	1000-11-00-11-0
	Rock Drill CP69	10173292	2010		Chicg Prim	CP-T006681 2010 In Service	
50-20287	Dr91 Rock CP69	59426292	2918		(Chicago	CP-7006661 2010 In Service	
50-25288	DrH GD 583	38426292 1	2011		/Graine Drive	1583	
90-25289	OHI GO SR3	68625292 I	2011		Grane Deve	563	
50-25290	DHI MWGD 63	10423292 1	2011		EM SWest	583	
50-20291	Drills GD83	\$9528292	2011		(MdWeet	1543	
60-25292	Jeolog 683	55	2016		Granz Drive	1583	
50-25293	Plunger Midwest GD	59626292	2010		1		
30-25294	Hugger Midwest GD	Se028292	2013				· · · · ·
	Phogger Midwell GD	1 38925252 1	2013 (		and on a disc state where the state of the s		
60-28296	Plugger Drill MWS83	1 99929252	2014		Mitwost	MWSB3WA	
50-26297	Plugger Dritt MWSES	Bet320292 +	2014		JMcGwart	MWS83WA	mar-
50-26298	Plugger Dist MWS83WA	39026232	2014	a president management and well-ing for a baseline rule distribution of the	Mowed	AWS83WA	
50-26299	Plugger Drtll MWS83	19023282 1	2014		1Alldwegt	MY 36347A	-
50-26300	Plugger Didl MWS83	\$#\$28292 i	2014		I M dwast	MWSSOWA	
50-26301	Plugger ()rtil MWS08	\$#428292 1	2014	and the second	1Michaelt	AWGSZWA	

#### Equipment List

Equipmen		Suentity :	Year Added to FA	Serial Number	Make_	Model
0-26302	Plugger Dr8	80528232	2014	The distance is a second	Mownet	WDRIAW363WA
1-26303	TEI 350 Rock Drif	1 1 1	2015 2017 repair		1761	INCM360
0-26304	(Jaciteg	93425252	2015	a dalah se aka nge pangan da tanggan dalah di alah da dali 🤹 dipakti di kanalah kati da danggan dali di sama dala	l	
0-26305	Orbi TEI Hydralic Auger	1 1	2015	and and the state of the second since the second since the second s	iter	
50-28306	: Dritti 5256	\$4428292 1	2016		1	
0-26307	Dis 3250	Lou26293	2018			
50-26308	Dr0 5250	50026294 1	2016	and the second sec	and a second sec	
50-28309	[Drill 30" Alrieg Assy	* AP628295	2017	· Mandalan and a start of a start of the sta		
50-2631C	[Drill 30" Alrieg Assy	+ sec26296	2017	· · · · · · · · · · · · · · · · · · ·		
50-90057	Drift, 3/4" Magnatic base	1 1	2018		Manulaen	
10-00059	Drdl, 1 3/4" ; Megnetic Base	1 1	2018		1Bick & Dex	4721
0-90060	On/ 3/4" Magnetic Base		2918			1054-04
0-00064	Harmer Drill		2010		(Bick & Dok	1566
0-00006	Hearver Drift		2018		ାରିରେନୋ	
10-90066	Hanner Dril		2018		Itiliti	TE 26
	a supervise read. Mell field		2010		1484	TE 58
Fans						
10-34001	TYent Fan, 10 HP		2018		10	
0-34002	Vent Fan 50-4P		2010	ner, ministratur alarithtickey is his yessen (meressen alarithtic et das his beginningsbut any stational	Ependrus	AMF 280H
0-34003	Vent Fan, SOHP		2010		(Spendnip	AME 170-50
0-34004	Vent Fen. 50HP	then weren in wer and an an an are		and the second second second second second second	. iSpendrug	AMF 170-50
10-34005	Vont Fen, DOHP		2000	անձեն հանձեն անձան հայտարան հանձերին հետություններին։ Յեւ նախ հանձերին հանձերին հանձերին հանձերին հանձերին հանձ	(Spandrup	AME 170-50
0-34008		1	2030	and the second se	- Spendrub	ALIEF 170-60
0-34008	Vert Fen. 5HP		2018		:Spendrup	AME 130P
	Vent Fen, 5 HP	1 1	2018		1Špendrus	AMF 180P
50-34008	Vant Fen, 10HP, with/well with	- 3	2018		Spendrup	AME 260H
80016-0	Vont Fan, 10 HP		2018		Spendrup	AMF 250H
0-34010	Vent Fan, 10 HP	<u> </u>	3018		1JOY	LZSA2
0-34011	-Vent Fan 0 HP	1	2018		Venturi	
\$10-34312	-Vent Fan, 3 HP		3016		17GA	112
Generato	15				The second	
30-35105	: Generator, BKW	- 1 1	2001	with transmission on a half of the local line of the state of the stat	]Muliquip	GABRZEZ
50-35108	Generator, SKW		2001	an in any a link and an an in an	Muticalp	
50-35107	Generator 6 KW		2007		Multinula	GAOPZIC
0-35108	Generator, Honde 2000	1	2018			GAERIZE2
0-35109	Generator, Honda 2000a		2216	a and a side of a distribution of the set are the set of the second set of an and set of the set	[Honda	
0-36110	Generator, 100 KW		2001	A227170912	Honda	EH 4400
9-23111	IGenerator, 160kw MO/ 150 KW		2015 1/14	A227170012 DCA125U8IC	EKa, Kaim 18	
0-35112	- Generator 125 KW		2015		Mathquip	
50-36113	Cenerator Sky Diese		2015	DGA1255SIU	Wagner Cal	
Heaters	<ul> <li>A state of the sta</li></ul>			and a second	PNorth Star	
0-85004	Heuter, Portuble, Elec, 15000wett					
0-85004			2018		IFcatoria	FES-1548-3
x0-85005 x0-85006	Heater, Portable, Elec, 15000wst		2018		Fostoria	FES-1546-3
	Header, Portsbie, Elec. 15000+40	1	2018		(Fostoria	FE3-1548-3
0-85007	Hester, Portable, Beternender	1	2018		Leven Boy	150,000 BL
0-85008	Hester, Portebia, Selemander	1	2010		All Pro	150,000 BL
0-85009	Hester, Portstie, Balamander	1	2018		Moster	350.000 Bt
50-85010	Heater, Porisbio, Salemander	1	2018		13cheu	150,000 Gt
LHD						
0-14601	UHD. Eimou 911	1 1 1	1928 ;			
50-14612	11HD. Wagner ST-20		and the second s		Eimaa	911
And the second s	Internet and a second s		2015		Wagner	( <u>\$1-20</u>

#### Equipment List

Equipment	Description	Quantity	Year Added to FA	Serial Number	Make	Model	
50-148-42	-LHD, Alter Copre ST-6C	1	2007 2015 repairs	in the other of a state of a stat	Alias Copc	STB-C	
0-14643	ILHD Wegner 6 YD	1 1 1	2017 and repair	The second secon	IWagser	IDA14 PO 449	
0-14644	LHD Wagner 6 YD		2017 and requir		Wagner	DA14 PO 0393	
dependent of the second second second			2017 and rapas	· · · · · · · · · · · · · · · · · · ·	Taxa Bulat	10416 10/0381	-
Vining Ec							
0-15001	Sheft Muchar, Drydwment-Herman	1	2918		Crydranitien	Kala service statistics and	
0-15002	Sinking Bucket, 42" dia. X 45"		2018				
3-15003	Sinting Bucket, 82" dia: X 78"	1 1	2019				
3-15004	Sintang Buckel.62*dia.X 70*	1	2018				
0-15003	Sinling Bucket, 42" die. X 48"		2018				_
0-15006	Sinting Bucket 90"die X 06"	1	2018				
0-15007	Sinlang Bucket, 64" dia. X 72"	1	2013				
-15008	Sinking Bucket, 65° dia. X 72°	1 1	2018				
0-18089	Simbing Bucket, 66"dia X 64"	1	2018	· · · · · · · · · · · · · · · · · · ·			
0-16010	Sinting Bucket, 64" dla. X 58"	1 1	2018				
0-15011	Shiting Bucket, 60" die . X 60"	1	2016				
0-15012	Sinking Bucket, 80" dis. X 80"	1	2018				
0-15013	Sinking Bucket, 57" the. X 72"	1	2018				
0-15014	"Binking Bucket, 50" dia, K 72"	1 1	2016	The set of		N NUMBER OF STREET, ST	
0-15015	Dinlong Ducket, 69*dla Jt 68*	1	2015				_
0-15016	Sinking Bucket, 43° dia, X 43°	1	2018				
3-15017	Siniding Ducket, 84" X 84"X 78"		2015	and some a lower and some set that the source of the property of the	<ol> <li>St. St. States and the second states and an an end of the second states.</li> </ol>		-
0-10210	Emco 612 H Side Dump Muchar		2011		Elmoo	18994	
0-16211	Etmo 832 H Side Dump Mucker		2012		1Bmco	18324	
0-16500	<sup>1</sup> Camel Bock Dump Ramp	<u></u>	2012	Contract of the Article Street	(Enland)	1532H	
0-16501	Muck Car Granty 140cf Dump Whe		2011				
0 16502	Muck Car Granty 140ct Dump Wh		2011				
0-24010	'Menbeskut w/ d/lli-track		2018		Gerdanse Derver	1985	
0-24811	"Manbesket, 8'-2" x 5'-2"		2918		Colo Cilenter Liderio di	(19636	
0-24812	Work Deck, 16' Diameter		2016				
0-24813	*Manbaskel, 4*X8*		2018			18 Dertr	
0-24814	(4 x 8 Manheskot for LND		2018				<u> </u>
0-24815	4 x 20 Grane basket		2018			ter UND	
0-24818	iš x 13 Marbaskat		2018	the second residence in the second			_
0-24617	74 x 4 Mantanikat		2018		1		
0-24615	4 s fi Mantasue						
0-24619	14 x 8 Manbasket - bad shope in Blackheek		2018		fa inclusion		
0-24619	14 x a Marcuster - cat prope in catconews IR Crill Destat		2016		100 - 100 - 10		
		1	2918		IR		
0-24821	Work Deck., 12"		2017				
	133" x 7 * Sneft Capsule (escape capsule)		2018				
0-24623	136" x 20" 2 Deck Shaft Gepaule	1	1013				
6-24824	(48° x 12' Shell Caseule	1	2018				
0-61001	Slusher, I'R, 3 Drum, Electric	1	1995		ingral/Rnd	50MNM	
0-61002	Tugger, Greenlee 0500 fb-conduit puller	1	1808		Greoniae	tesoo Tuggr	
6-61003	Tugger, Air Powered		2018		tingst Bind	BU 7A	T
0-61004	Tugger, Air Powend	1	2018		(Beebe	4000LB	1
0-61005	Slusher, IR, 2 Drum, Elecaric				Ingral Red	30MM31D	1
0-81007	Skaher, Joy, Decito, 20 HP		2018		JJay	3 drum	
0-61008	Tugger, Air, IR	Bred	2018		lingrat Rind	D6U	
0-61010	<sup>1</sup> Tugger, Air, 2000e		2018		3 Gedin/ Drive	INC	
0-61011	Fugger, Ar, 2000s	1	2018		Ingral Rad	(RU	

#### Equipment List

Equipmer		Quantity	Year Added to FA	Serial Number	Make	Model	
0-81013	Tugger Air 4000LB	1	8198	h management of more supported as a	(Brobu	4000 P105-	
0-81014	Slusher 7.5 Hp	1 1	2014		lings: Red		
2-82001	Winch, Evenic, 12,000 lb.	1 1	2018		IBerbe	164RRC24F00	
-82002	Winch, Electric, 12,000 tb:	1	2018	name and a second s	Bethe	64RRC24FDD	
0-62003	Winch, Electric, 12,000 Bi.	1	2018		Bashe	64RRC24FDD	
0-62004	Winch, eir	1	2018				
0-82005	Winch, er, 7000 tb, 10 HP		2018		Elinco	Ar	
0-62007	AIR Holat 10-Ton	1	2018		lingnii And	060	
0-82008	AR Note 10-Ten	1	2015		Harrington	TCR10000P2	i
0-62008	Winch Sheeve Skids				Hentington	[TCR10000P2	í.
0-62010	Which Electric 18,000 lbs	3	2015 hw		Longero		
		1	2015 HW		Ram	5	
0-62011	Winch Electric 19,000 los	1	2016 HW		Ram		
0-62012	Winds Electric 19,000 Rts	1	2015 HW	1992 - 192	Ram		
0-82013	Host Air 10- Ton	t	2018				
0-62101	3/4 yo Clam Shell	1	2001	1222			1
0-82102	Clem Shell, Sinking, 3/4 Cu.Ys	1	2916		tEnycar	······································	·····
0-82103	Clam Shell, Sinking, 3/4 Cu.Yd	1	2018		Baycar		
0-62104	Clam Shull, Sinking, 1 Qu. Yd	1	2018		Baycer	1	i
0-02503	Horsi, 250 HP. DC. Single Drum	1	1995	A CALIFORNIA CONTRACTOR OF A CALIFORNIA CONTRACTOR AND	Lidgewood	Single Drm	
0-62508	Host, 250 HP, DC	1	2018		IUdgewood	1Single Orm	
0-82507	Thost, 30 HP		2010 1			Taxique print	
0-90043	Air Chain Hoist, 5 ton	·	2018	the second secon	Sky trok	TCR 6000	
0-00044	Air Chain Hoist, 5 ton	. 1	2018		Hartington		
0-90066	Air Chain Hoist, 7,5 ton		2007		Herrington	TCR 6000	
0-41005	Concrete Pump Concrete Pump, Electric, 100HP	() () ()	2918	ويتبعو ويترودوا وروار مستحد والمت	[Fiomemede  Pumpit	100M	
0-41003	Contrals Maar - Electric Bot	1 1	2018			- TOON	
0-45001	Concrete Bucket, 3 Yd Lleydown	······································	1998	The first of the set o	The State and the state of the	ligydown	
0-46003	Concrela Bucket, 2 Cu. Yd	1	2018		allower buddet in the first section wanted and an an experimental	Botton Dmp	
0-45004	Concrete Bucket, 1 Ca. Yd	1	2010				
Pumps -	The second	errenalia an la col			and the second sec	Bottom Dmp	
0-42601	Grout Plant-Double Mizer	1 1	1978		(CreenGrad		
0-42604	Grout Punip, Air Single Fot	1	1998		Mbar	Inet to real	
0-42607	Grout Plent Chengrout		2015	date in contact stress in an encourse ship holes as a point of a second sec	and it is all it is a second production and it is a second production of a second product of an	24* X 24*	
0-42608	Grad Injection Pump	1	2015		[Hannesy	100800	۔ 
	Shotcrete				(Grey Da		
	Submarsible						
0-42501	Pygt Pump 13.8 hp		2010				
0-42802	IFlygt Pump 13.5 HP		2013		Flyst	12129	
50-42804	Wilder Pumpe MANA		2013		Flygt	[2125	
the second s	ulpment	1 1	2018		Wilden	1	
				and a state of the Car			
0-82502	Crane-Pettbone 15Ton	1 1	2016		PetSbone	(15 Ton	1-
0-88010	Welder-Hobert/Hefty CE/CV	11	1998		Hopert	Hefty	
0-86015	(Welder, Electric Shop, 3 Pri	1.1	2918		(Alexa)	Dip-Pk 200	
91038-02	Welder, Electric, Shop. 3 PH	1	2018	And a second sec	shipping	ISRH-404	
0-80017	Welder, Electric, Shop, 3 FH	1	2018		A Addition	SRH-404	
53-93004							

#### Harrison Western Construction Corp

#### Equipment List

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Equipment		Quentity	Year Added to FA	Sorial Number	Maka	Model	
80000-0	I Mill Ericgoport IVY	1 1	1968	the second	[Bridgepurt	ITVY	
-00005	Press-R580-2 50 Ton	1	1966		1	1	
-90010	lifonwarker	1 1	2004	and the second sec	Paranna -	IP-60	
-90011	Band Sev		2004	a second s	/Hyd-Mech	16 20	
0.00018	Groovel.pt w/ 24* rollers	1	1993	· · · · · · · · · · · · · · · · · · ·	IGraovalcit		1
-90020	Chop Sev		2018			1021	
-90022	Banch Grinder, 8"		2818		Ridgid Contentat	19163,1007R	
3-80023	Drift Press		2018				
X-80027	Scissors Lill		1990	-	/ Otd-Candy		į
>00028	Forcift-Cient 4000 lb		1998		Sky Witch	17,616	
-00029	Forkult-Gertinger S15 1200020		1996		[Clark	4000 lb	
0-00030	Bender, Greenlee, Electric				Geringer	.519	
	Dender, Greentee, ENCOR		2010		(Greening	655, 1/2"	I
0-00031			2018		Witten	Type 24500	
)-60022	Beed Uleater -Cubinel		2918		Devton	132850	
0-90034	Pipa Threading Machine	<u> </u>	2018		(Ridgid	/535	
0-00042	Cable Puller w12" hoos sheave	<u>1</u>	2018		1Grueri na	10001	
-00045	Pipe Threading Mechine	0	2018		(Fügid	638	
90046	Pipe Threading Mechine	- 1	2018	and a second s	1Flight	535	
2-9130-47	Powered Threader, 1/8"-2"	1 1	2018	A REAL PROPERTY AND A REAL	IRIgid	,700	
90048	Powered Threader, 1/8"-2"	1	2018		+Fögsti	700	
9-000-0	Power Threader, 1/8"-2"	122	2018	and the second	ROCK	000	
0-00050	Power Threader, 2 1/2"-4"		2018	where the second s	A A M THE REPORT OF A THE PARTY AND THE REPORT OF A	[4P-]	
0-90051	Power Threader, 2 1/2"-4"	1	2018				
0-000152	Poe Saw		2010		IRigid	141	
)-90056	Pallet Truck, \$60(2)		2018	and the second of the second second second	Wath	C(Gulita)	
	STable Saw, 10°				Hystur	(3145633)(-6	
0-90082		1 1	2018		Rychi	B73100-1	
0-90067	Pipe Traveling Mechine and Str		2007		Filgid	535	
0-90070	Forliff - Hyster - AKA Prtysle Pile	and a second second	2004		Hystar	H165XL	1
0-90071						i	
Survey E	quipment						
0-49001	OPS-Earth Mate	1 1	2039	a result of the second	Earth Mate	IPN-405E	
			the second se	lle addeeddaddaddigadagg ygg yyggifwy 100-100 herddired wran dwr addeeny ngen gyn	Sicon et marcali	IPTF-IDE	
0-09002	ISurveyor AGL T-4 Laser	1 1					APPEN
	Surveyor AGL T-F Laser Surveyor - Universal		1909				ADD
0-89203	Surveyor - Universal	1	1989	·····			ADD
0-89203 0-89204							
-89203 -89204 "railers	Surveyor - Universal Bisrveyor - Wild Capada	1 1	1989 1960				ADD
0-81003 0-81004 <b>[railers</b> 0-65006	Survayor - Universal Survayor - Wild Capsule	1	1969 1960 2010		1993 TRAIL		ADD
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#### Harrison Western Construction Corp.

#### Equipment List

#### 5/25/2018 Page 8

Equipment		Quantity	Year Added to FA	Serial Number	Make	Model	
0-71025	7 x 15 Cargo Mate Trasler	1	2017	· ···· ·······························	Cargo Mata		
/ehicles			· · · · ·				
0-6084	12011 Dodge Ram	5	2010		Dodge Rem		
0-5001	1979 Ford Sami #5001	1	2018		Ford	9000 SERIE	
0-5037	2006 Ford F250	1	2018		Ford	F250	
1002-0	2008 Ford F250-	STREET, STREET			Ford	[+ 200	L
0-0083	2011 DODGE RAM				Dodge		
0.0064	2011 Dodge Ram 1500 4s4 Qued	1 1 1	2010 Ì		1Dodge	(Ben 1600	
0-6065	2011 Dooge Ram 2500 4z4 Ocud		2018		Dodga		
0-5080	2011 Dodge Ram 2500 4rd Qaud		2018			-Fiam 2500	<u>t</u>
3-5070 . 12.1	2015 Dodge Ram 2500	1	2017	by the definition for both and been	1Dodge	IRam 2500	
3-6074	Dadge Truck		LEASE		Dodge	Rem 2500	
3-5075	Dudge Truck	1	LEADE.		Dankan	laren l	
0-5076	2016 - Durge 4800	and animal	LEADE		{Dodge	2500	
3-5077	2013 Dodge	1	LEASE		Dodge	14508	
0-5378	2016 Dogs 2509 4x4 Drew Cab	1	LEASE		Dodge	2500	
0-5080	2016 Dodge Rem		LEASE		Dodge	12500	
0-5081	2015 Dodge 2500 414 Craw Cab		LEARE	1. P. Science a survey of a science provide state	Dorige-Ram	2500 Picip	
0-6082	Jesta Grand Charokos Lorado 4x4	1 1	LEASE		EDodge (Jeep		1
0-6085	Ford F150 King Ranch		LEARE		Ford		
	The Party Standard Standard Standard Street St		· · · · · · · · · · · · · · · · · · ·		11-010	iF16	
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D-	Joop arriving mg/june 2019	1 3 1	2019 HW Casti Lanse				
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0-89001	Welder, Electric, Shop						
G-88002		1	1928		Witter	CP-25018	
0-86002	-Welder, Electric, Shop	1	2018		Lincola	R3R-400	i
0-65004	Weider, Electric, Shop	1	2018		Uncoin	AC/DC/225/	
0-66005	Welder, Electric, Shop	1	1090		Uld-States	,200	
0-66005	Welder, Electric, Shap Welder, Blectric, Shap		1998		l Uncoln	Hell EVC 400	
0-86007	Welder, Electric, Shop	1	2018		Miller	SR1-404	
0-86008	Welder, Electric, Shop	1	1974		Miller	Bynche 250	
0-65009	and the second se		2018		i Miller	DUSCACIDO	1
0-66009	Welder, Electric, Shop		1996		j Miller	3204/87	1
0-86012	Welder, Electric, Shop	1	1296		Chemiron	DC 500 CVT	
0-86012	Welder, Electric, Shop	1	2018		ilincuin	(Id) DC 400	
	Weitzer, Electric, Brop	1	2018		flingh	ldi R38400	
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#### Certification Part II

Under penalties of perjury, I certify that;

- 1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
- 2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
- 3. I am a U.S. citizen or other U.S. person (defined below); and
- 4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual relinement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

		 1.4		A				
Sign Here	Signature of U.S. person P		M	∩ Data ►		/.	2-18	/
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### General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its Instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

#### **Purpose of Form**

An individual or entity (Form W-9 requester) who is required to file an Information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

Form 1099-INT (interest earned or paid)

 Form 1099-DIV (dividends, including those from stocks or mutual funds)

- · Form 1099-MISC (various types of Income, prizes, awards, or gross proceeds)
- · Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- · Form 1099-K (merchant card and third party network transactions) Form 1098 (home mortgage interest), 1098-E (student loan interest).
- 1098-T (tuition) Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form.W-9 only If you are a U.S. person (including a resident allen), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, leter.

CDOT PREQUALIFICATION CERTIFICATION

IWE CERTIFY AND UNDERSTAND:		
-That the financial balance sheet or th and details all company assets and lia	ne attached audit was prepared from the books and reco abilities.	ords of my/our company
-That any material changes in my/our updated financial statement and the s	financial condition requires me/us to refrain from biddin talement is approved by CDOT.	g untij I/we submit an
	supply CDOT with all necessary information to verify th	is statement.
STATE OR FEDERAL LAWS, THAT FINANCIAL CONDITION AND ALL A	OF PERJURY IN THE SECOND DEGREE, AND ANY A THE STATEMENTS MADE ON THIS FORM (INCLUD TTACHMENTS) ARE TRUE AND COMPLETE TO THE	ING EXPERIENCE,
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Additional signatures of those individuals - You must sign exactly as bid proposals and	that are authorized to sign bid proposals and sign c contracts will be signed	ontracts NOTE
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Other	Title:	Date
Other	Tite:	Date
IF YOU ARE A CORPORATION ATTACH Y	OUR COMPANY SEAL	
Please clearly print all officers and agents an	d have each officer and agent's sign and date this form.	SEA CONTRACTOR

2.34 105



## **SECTION 4**

PRE-CONSTRUCTION & CONSTRUCTION PLAN AND METHODS STATEMENT

## PART 1 - PRE-CONSTRUCTION PLAN & METHODS

#### Introduction

The project consists of a 2.2-mile-long hard rock tunnel used for transferring water from the Laramie to the Poudre River in the mountains of north central Colorado. The tunnel was constructed in 1910 and has provided good service with the exception of some localized ground failures, which have been repaired in the past. The owner, Tunnel Water Company (TWC) uses the tunnel each year during the warmer months of May through September so work within the tunnel can only occur during the off season, September 15th through May 15<sup>th</sup>.

The tunnel has a straight alignment and two portals, east and west. The eastern half of the tunnel has recently been rehabilitated and the current proposed work involves rehabilitating the western section. The slope of the tunnel is approximately 1.7% down from west to east.

Lithos Engineering has issued a Request for Qualifications & Proposals (RFQ/P) with the intent to engage a Construction Manager at Risk (CMAR) who will assist in bringing the project to final design then subsequently implement and construct the final rehabilitation plan. The project is currently at a 30% design stage.

#### Pre-Construction Process

Harrison Western (HW) has worked on several previous projects using Alternative Project Delivery Methods, such as CMAR, and we agree that this approach is appropriate for this project. Under the CMAR method, the Contractor will be intimately involved with the Designer in developing the final design of the project. CMAR combines the technical expertise of the Engineer with the practical knowledge of the Contractor. Forming this joint effort early in unique projects makes certain that the final design developed by the team is correct from both a technical and economical perspective.

Our proposal for pre-construction services is based on the following workshop approach:

#### Kickoff Workshop

Schedule a kickoff meeting to be held at Lithos' Fort Collins office with all team members. The intent of meeting is to clarify and define the project scope, discuss the pre-construction budget (pay item 1.6, 1 lump sum) and schedule. A preliminary project schedule is included as Exhibit A with this proposal.

All workshops will start with a safety share related to the tunneling industry tying into the Laramie-Poudre Project.

As part of the project scope discussion, a responsibility matrix will be developed so that all team members are informed of their responsibilities and due dates.

Project permitting requirements, if any, need to be established and assigned to a team member.

At the kickoff meeting, a round table discussion will be held to evaluate alternative designs, concepts, and possible solutions. This analysis will be very preliminary, but if options appear feasible, the intent is to establish a path forward and a plan of action to further define the identified options.

A tunnel site visit and walkthrough was held September 24, 2018 which provided Harrison Western the opportunity to observe the general condition of the tunnel and west portal area. This initial inspection will be followed up with a detailed on-site inspection to further define exact work quantities.

The RFQ/P included cross sections of the tunnel from station 0+67.8 to section 29+49.9. These sections must be completed for the remainder of the tunnel through station 60+50. It is HW understanding that this field work is in process and will be available after the CMAR has been selected. If additional field work is required to complete the remaining cross sections, HW would like to have this scheduled at the detailed on-site inspection. HW will coordinate with Lithos if their surveying consultant requires additional access to the tunnel to complete the required cross sections. No allowance has been included by HW to provide for this service.

The Project Safety Plan and Work Plan will be outlined and updated as the work develops.

One to two follow-up meetings are allowed for in this phase, either in person or via telephone.

#### 60% Design Workshop

The 60% Design Workshop will be held at Lithos' Fort Collins office with all team members. The intent of the meeting is to discuss all identified project alternatives and refine the project design so that a firm scope is finalized, forming the basis of the Guaranteed Maximum Price (GMP) for construction. HW will assist the Designer with the analysis of the potential alternative designs, offering cost, constructability, and schedule input for a risk analysis matrix.

The responsibility matrix will be reviewed and modified as required. Actual completions of work will be recorded and compared to scheduled dates.

A 60% complete Project Safety Plan and Work Plan will be presented, discussed, and modified.

Project permitting requirements need to be firmly established so that any cost can be included in the GMP, to be presented at the next workshop.

One to two follow-up meetings are allowed for in this phase, either in person or via telephone.

#### **GMP Workshop**

The CMAR will present their GMP Proposal for review by the team. The GMP will include a revised final bid tabulation along with a project schedule.

The GMP will be revised as required and officially submitted to the Project Sponsor.

One to two follow-up meetings are allowed for in this phase, either in person or via telephone.

#### 90% Design Workshop

Any final design changes will be reviewed by the team. The CMAR will present the Project Management Plan, which will include a procurement schedule. Any long-lead time items will be identified and prioritized.

One to two follow-up meetings are allowed for in this phase, either in person or via telephone.

#### PART 2 – CONSTRUCTION PLAN & METHODS

General Approach (to be revised and further refined during the Pre-Construction phase) The tunnel to be rehabilitated is small in design cross section (8' wide x 8' high) by 6,050 linear feet long. Main access is available through the west portal with emergency access via the east portal. The east portal is also available for establishment of an exhaust bulkhead so that fresh air can be pulled into the west portal and exhausted at the east.

With the linear configuration, the project will be primarily constructed from the west to the east with advancement of the rehabilitation face proceeding as ground support is installed and a smooth invert established. Ground support is normally rock bolts in the majority of the tunnel and rock bolts supplemented with shotcrete in approximately 33% of the rehabilitated length. Invert material will vary based upon the condition of the invert. Some areas will require concrete, others only fill material. Fill will either be imported from the surface muck pile or moved within the tunnel length to balance cut and fill areas.

The tunnel has been previously repaired or supported in several areas (29 areas) and in these areas, the cross section is under the design cross section. The ribs and back of these reinforced areas will have to be excavated and supported very carefully to assure worker safety.

The invert of the tunnel is filled in with rock debris which will have to be re-mined and either removed from the tunnel or re-used as invert material. The invert is to be smooth enough when complete to allow for vehicular travel so that the tunnel can be rapidly inspected as required in the future.

We have looked at both a rail-based and rubber-tired equipment fleet and with the ability to adequately ventilate the tunnel without the need for ventilation duct, and the rubber-tired equipment is our preference. Since the re-mined material is a compacted aggregate, a road-header style excavation machine would be best able to break it up into transportable size.

Shotcrete will be hand-placed using a wet process. Material will be batched at the portal and hauled underground to a shotcrete pump. Bolts will be installed using jackleg drills.

Our analysis of the work and associated projected productivity rates indicates that the scope of work can be completed in one construction season by conducting two shifts per day working 7 days per week. The work schedule will be seven days on and seven days off to provide a break to the working crews.

The project will be set up with two office trailers, one for HW and one for Lithos, located near the portal area. Crews will receive a per diem allowance and most will probably stay in the resort cabin areas downstream of the intersection of Highway 14 and County Road 103.

Crews will transport themselves to the parking area at the intersection of Highway 14 and Country Road 103. A HW van will transport the crew to the project from the parking area. A 966 loader has been included in the project for clearing the County Road 103 if required.

### PART 3 - BID ITEM DETAILS

#### **1.1 Mobilization/Demobilization**

Procure, load, and haul all equipment and required materials to and from project site. Surface equipment includes a batch plant, temporary shop facility, and office facilities, including sanitary services. A non-potable water system for drilling water will be established and sourced from water inside the tunnel. Trash receptacles will be established and serviced as required for the removal of scrap material that cannot be permanently stored on site. A dump area will be established at the bottom of the slope near the portal for temporary storage of tunnel muck. This temporary storage area will be rehandled and moved to the permanent storage area with a 966 loader.

Bonds and insurance are included in Bid Item 1.1.

#### 1.2 Re-mobilization (Annual, As-Required)

The current HW schedule indicates the work can be completed within one construction season, so this item has been excluded from our proposal.

#### **1.3 Prepare Portal Access and Staging**

The current access road down to the west portal is too steep for safe access. This road will be widened and the grade will be smoothed out by adding fill on the north side of the access road. K-Rails (Jerseystyle barriers) will provide a temporary retaining wall to isolate the new fill from the Laramie River channel. Fill material will be sourced from the existing muck pile existing on site just above and south of the portal area. This muck pile area will continue to be used throughout the project for muck storage. Any required clearing, grubbing, and grading required to establish a working bench will be performed to provide adequate laydown areas. A dozer operator will be sub-contracted as required on an hourly basis.

Required utilities (compressed air, drill water, and communications) will be established and lines run into the tunnel. The utility lines will have drops on approximately 100' centers. In order to meet the schedule, we will need to perform some tasks concurrently, and having utilities available throughout the length of the tunnel will provide the required utility support to allow for the work to be performed in multiple locations simultaneously.

Ventilation will be established by constructing a bulkhead at the east portal of the tunnel completed with a 40hp fan and generator. The east portal fan will exhaust air bringing fresh air into the west portal and down the length of the tunnel. This setup eliminated the need for ventilation ducting and pulls exhaust fumes and construction dust up station and away from the crews. This is particularly helpful when shotcrete operations are ongoing. The generator at the east portal will need to be serviced on a daily basis and access at this area is unknown. It may be better to locate the generator farther away from the west portal and run power cable up to the ventilation fan so that access for generator service is facilitated.

#### 1.4 Engineering Field Office, Lodging, Transportation, & Per Diem

Two office trailers will be setup on site and will include electrical power and sanitary facilities. We understand from Addendum 2, Response to Question 12, that "Contractor will not provide lodging and transportation for the engineer," so no allowance is included in our proposal for this cost.

#### **1.5 Staging Area Restoration**

An allowance has been included for re-grading and seeding the areas impacted by the Contractor's temporary office trailers and shop facility.

#### **1.6 Preconstruction Design Services**

The scope of this item is described above in Part 1 – Project Pre-Construction Plan & Methods.

#### 2.1 Invert Preparation, 2.1.A Partial Invert Slab, 2.1.B Rail

This pay item was clarified in Addendum 2, response to question 1, as being for the use and option of the Contractor to provide a working surface during construction. We have included the full quantity of this item (930 CY) based on our observations at the site visit on September 24, 2018, because it appears to be the most efficient method of establishing a working surface, especially at the beginning of the tunnel. Concrete will be batched on-site using a 3 CY mixer, super sacks, and added water. Mix water will come from the drill water system setup for use within the tunnel and sourced from water sources within the tunnel.

By using a rubber-tired excavation and mucking fleet of equipment, rail will not be required to be installed as the excavation and support work progresses. After the completion of the rehabilitation and with the invert smooth and on-grade, rail will be installed on top of the invert material using 30 pound rail and steel ties.

#### 2.2 Re-Mining and Rubble Removal, 2.2.A Existing Invert Rubble Cleanup

Re-mining of the aggregate material located in the tunnel invert would be best accomplished using a road-header style cutting head. The tunnel profile is just barely large enough to allow for a machine of this type, but cutter heads are available for mounting on a small excavator body. The cutting head will loosen the material, and then the material will be mucked with an underground scoop. The scoop will have an ejector bucket so that the mucked material can be placed along the tunnel invert where fill will be required.

#### 2.2.8 Existing Support and Overbreak Removal – Timber (11 zones)

2.2.C Existing Support and Overbreak Removal – Concrete (11 zones)

#### 2.2.D Existing Support and Overbreak Removal – Steel (7 zones)

Removing the existing system of permanent tunnel supports currently in the tunnel will follow the general cycle of: 1) Removal of existing supports and exposure of brow. The length of removal will depend on the condition of the back. Some areas look stable enough to remove 10 feet, or more; others much less. 2) After the brow is exposed, the back will be scaled and supported with rock anchors per the prescribed pattern. 3) Muck the disposed material and remove from tunnel. 4) Repeat cycle.

Excavation of some of the more solid concrete structures will require either a very robust cutting head or excavation using drill and blast. If blasting is required, drilling is expected to be usually a single ring of holes drilled parallel to the axis of the tunnel. These holes will be approximately 18" on center and loaded with trim power to minimize vibration. The slashing approach will allow sufficient relief so that blast energy is directed into the center of the tunnel and away from the ribs, back, and invert. It is expected that in the blasting areas, an annulus of existing concrete will remain, providing a stable surface to place new rock anchor support.

#### 2.2.E Scaling

Scaling is a daily part of any miner's job, so this effort is included in all of the other rehabilitation pay items. We have, however, included time at the beginning of the project to scale the entire length of the tunnel to verify that the area is safe to work under.

#### 2.3 Install Support – Class A, 2.3.A Class A Spot Bolts Installed

The specified rock bolts are 6' long, with a bearing plate, nut, and anchored with a mechanical shell. The bolts will be post-grouted using a grout tube. Tunnel rock bolts are normally resin anchors and HW would propose a substitution, if awarded the work.

Bolts will be installed using jackleg drills.

2.4 Install Support – Class B, 2.4.A Class B Pattern Bolts Installed See description for item 2.3.A.

2.5 Install Support – Class C, 2.5.A Class C Pattern Bolts Installed, 2.5.B Shotcrete Placed (4 in. thick) See description for item 2.3.A for 2.5.A bolts.

Shotcrete will be applied via hand nozzle using a wet process. Shotcrete will be batched on surface using the method described for the invert concrete. A shotcrete pump will be placed in the tunnel near the application area and shotcrete material hauled to the pump using the underground scoops fitted with a fabricated steel dumping bin or "boggie". Some areas of the tunnel rehabilitation will require that shotcrete be applied as part of the support cycle; however, we have scheduled the shotcrete to normally be a "non-critical path" task that will be performed subsequent to installation of bolting and concurrent with other activities.

<u>2.6 Install Support – Class D, 2.6.A Class D Pattern Bolts Installed, 2.6.B Shotcrete Placed (6 in. thick)</u> See description for item 2.3.A for 2.6.A bolts. See description for item 2.5.B for 2.6.B shotcrete.

#### 2.7 Stabilization of Upper Adit

This item was added with Addendum 2, but the intersection of the adit and the main tunnel was visible during the site visit. The scope of the work is assumed to be the establishment of a barrier gate at the intersection point of the adit and tunnel. We have included an allowance for the construction of a steel gate at this area for isolating the adit from the tunnel.

#### Conclusion

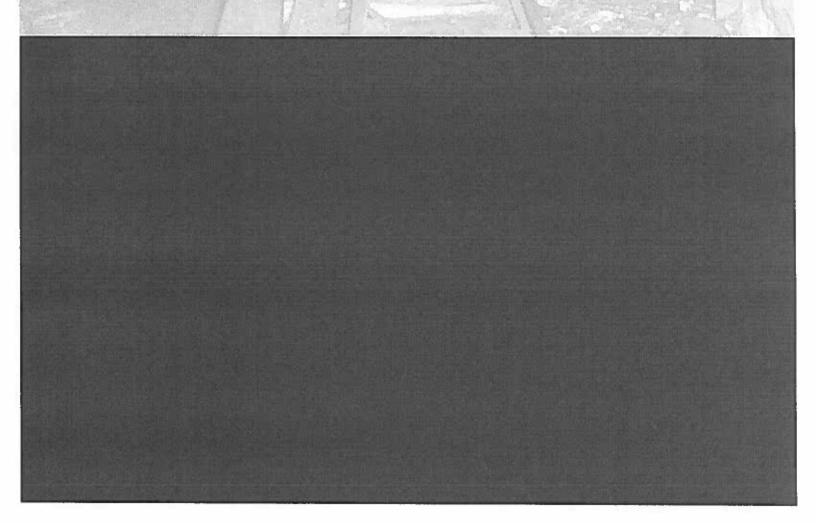
The Laramie-Poudre Tunnel is a unique project requiring a unique approach. The project RFQ/P is based on the formation of a working partnership between the Design Engineer and the CMAR.

Harrison Western has worked successfully on other "Design-Build" projects and we are uniquely qualified to assist in the final design and then perform the tunnel rehabilitation. Our pre-construction portion of the proposal is based on the man hour guidelines listed in the RFQ/P and includes all other required conference calls and/or other telephone consultations required to complete the pre-construction portion of the work.











October 17, 2018

Robin Dornfest, President Lithos Engineering 2625 Redwing Road, Suite 160 Fort Collins, CO 80526

#### RE: Harrison Western Construction Corporation Laramie-Poudre Tunnel Project

Dear Mr. Dornfest:

Lockton Companies, LLC handles the insurance and bonding requirements for Harrison Western Construction Corporation (HWCC). Their bonds are underwritten by Berkley Insurance Company (Berkley). Berkley has an A.M. Best Rating of "A+" (Superior) with a financial size of "XV".

HWCC has developed an excellent reputation with project owners, engineers, general contractors and suppliers. They have a history of performing exceptional work, on time and within or under budget. We highly recommend this competent, professional company to you.

Berkley has developed a surety program of approximately \$15,000,000 single job with a \$25,000,000 aggregate program for HWCC. Berkley would consider larger jobs and programs under the appropriate situation. Bid, performance and payment bond requests are subject to favorable review of the contract terms, project financing and other relevant surety underwriting considerations at the time of request for bonds. Harrison Western Construction Company currently has the capacity to add this project to their current and anticipated workload.

Any arrangement for bonding is a matter between HWCC and Berkley and neither Berkley nor Lockton Companies, LLC assumes liability to you or third parties if for any reason bid, performance or payment bonds are not executed. This letter should not be construed as an approval for any bonds, but rather an indication of Berkley's prequalification of HWCC as a reliable, capable and financially secure company.

Again, we highly recommend Harrison Western Construction Corporation to you. Please do not hesitate to contact us with any questions.

Sincerely,

LOCKTON COMPANIES, LLC

and H. Elwell

Janet M. Elwell Account Manager, Surety

> LOCKTON COMPANIES, LLC 8140 + Union Autor 2010 - Director (1980) - 200 303-414-6000 - EAX 303-865-6000 www.bockton.com



# SECTION 6

# EXPERIENCE MODIFICATION RATES



Attn: Mr. Chris Hassel President and CEO Harrison Western Construction Corporation 1208 Quail Street Lakewood, CO 80215

Re: Re: Experience Modification Ratings (EMR)

Dear Mr. Hassel:

Harrison Western Construction Corporation's Experience Modification Ratings for the past five years are listed below:

2014 - 0.74 2015 - 0.83 2016 - 0.72 2017 - 0.86 2018 - 0.97

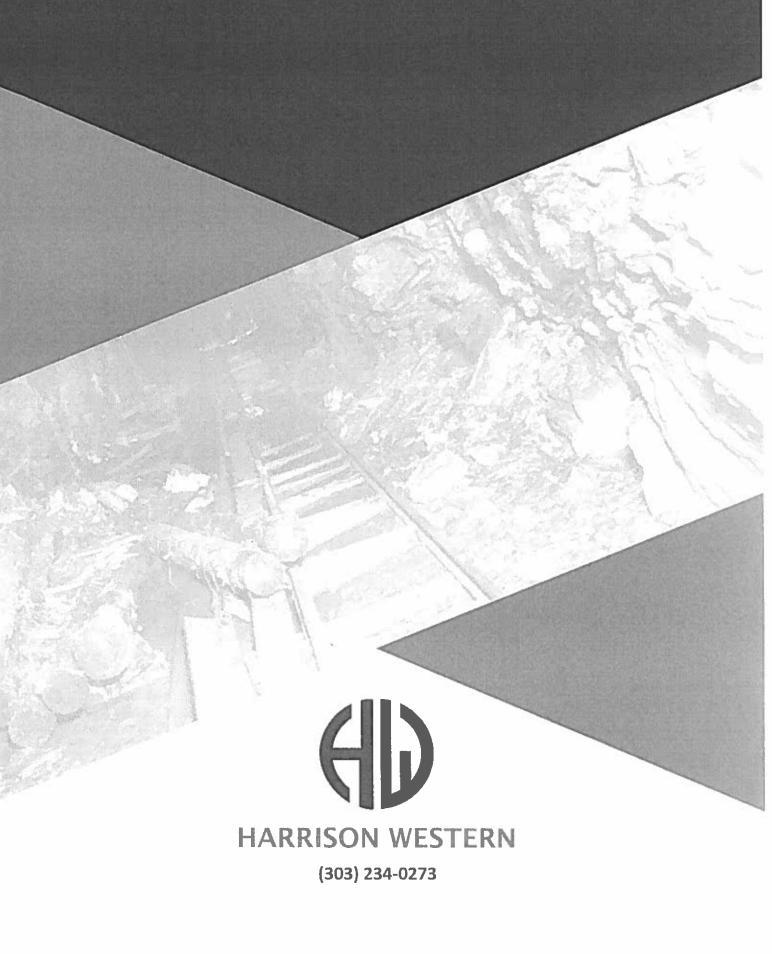
We look forward to our continued relationship with your firm. If you need anything further, please do not hesitate to ask.

Sincerely,

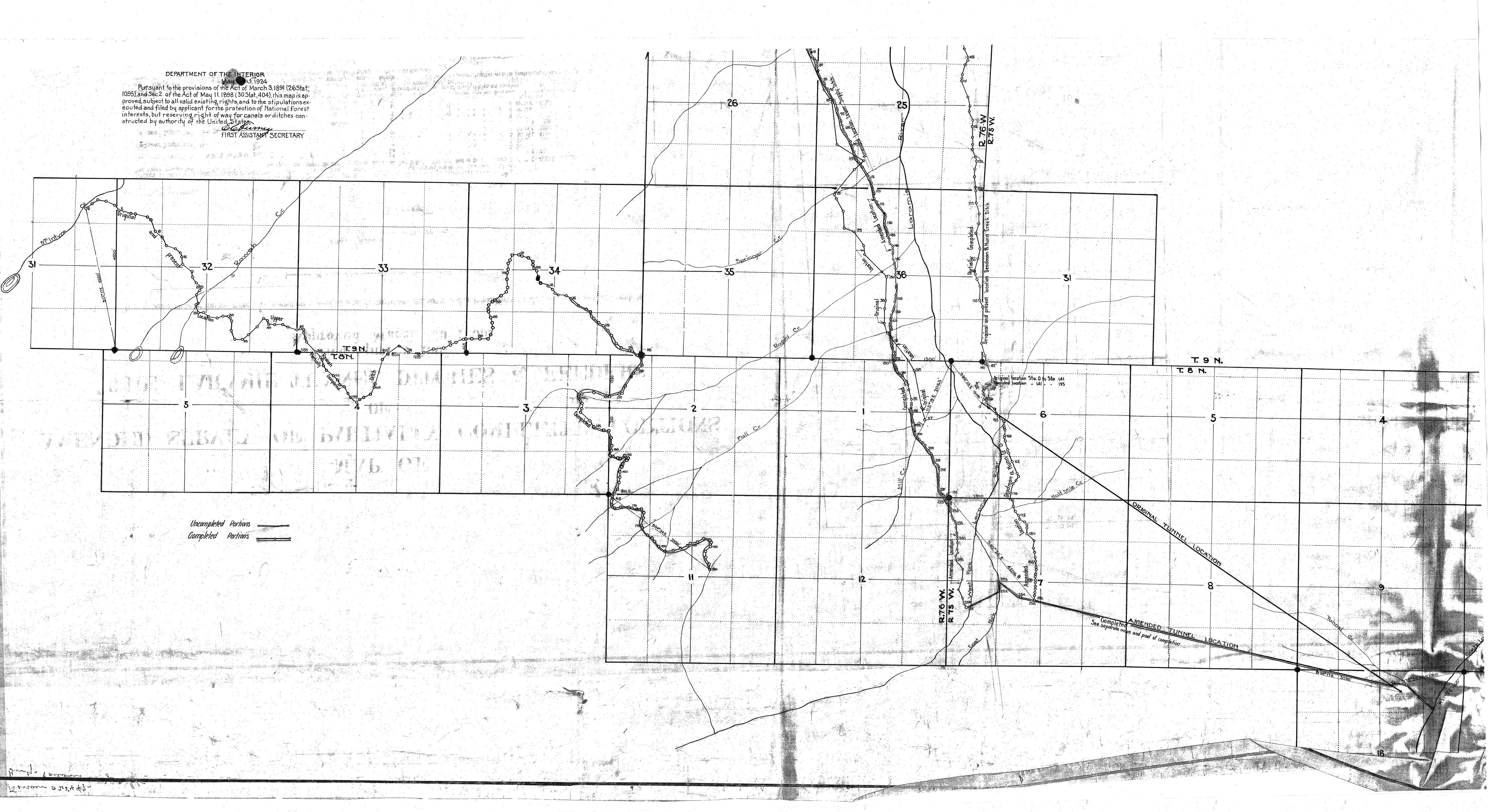
LOCKTON COMPANIES, LLC

2 Cent

Grant Clark Senior Account Manager



A MARL STARA STAR



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UNITE	STATES	DEPARTMENT	OF	AGRI	LTURE
		FOREST SERVIC	E		2

#### STIPULATIONS

(IRRIGATION, MUNICIPAL, MINING) (Acts March 3, 1891; May 11, 1898; February 1, 1905)

Uses Colorado
(Forest)
(Name of applicant)
(Conduit) Docomber 29, 1917. (Date of application)
WHEREAS, The right of way applied for by
Poulse Irrigation District
(hereinafter called the Applicant ) is within the
National Forest, as shown by a certain tracing executed by L. L. Stans on
, on
States Land Office at
State of Colorado, on, December 29,, 191 ; and

WHEREAS, The regulations of the United States Department of the Interior, concerning rights of way for railroads, reservoirs, canals, etc., provide that whenever such rights of way are located upon National Forests, the Applicant must enter into such stipulations and execute such bonds as the Secretary of Agriculture may require for the protection of the National Forests; and

WHEREAS, The Secretary of Agriculture requires, for the protection of said

#### Celorado

Form 81 (Revised Jan. 1, 1913)

..... National Forest that the Applicant shall enter into the stipulations hereinafter set forth:

Now, THEREFORE, In consideration of the granting of the right of way applied for, the licant do hereby stipulate and agree, and do bind himself, his heirs, executors, Applicant administratore, and assigns, and each of them, jointly and soverally (themselves, their heire, executors, administrators, and assigns, and each of them, jointly and severally) (itself, its successors and assigns), as follows, to wit:

Denver Denver. Colorado 1. To pay to the ......National Bank of...... (United States Depository), or such depository or officer as may hereafter be designated by the United States, to be placed to the credit of the United States, in advance of cutting or construction, as required by the Supervisor of said National Forest, for all live and dead timber, standing and down, merchantable in the judgment of the Forest Supervisor, cut, damaged, killed or destroyed, on said right of way, title to which, at the time of said cutting, damaging, killing, or destroying, is in the United States, in accordance with the scale or estimate of the Forest officers, at a rate to be fixed by said Supervisor, which shall correspond to the prevail-ing stumpage rates charged on said Forest at the time said timber is cut, damaged, killed, or destroyed; and to dispose of all brush, refuse, or unused timber accumulating at such times upon such right of way in such manner as may be required by the Forest officers.

2. To pay to the United States Depository or officer as aforesaid, on demand, for all damage to said National Forest resulting from the breaking of, or the overflowing, leaking, or seepage of water from, the reservoir or ditch, and for all damage to said National Forest caused by the negligence of the Applicant , his (their) (its) employees, contractors, or employees of contractors.

3. To build new roads and trails, as required by the said Forest Supervisor, to replace any roads or trails destroyed by construction work or flooding upon said right of way, and to build and maintain suitable crossings as required by the Supervisor for all roads and trails which intersect the right of way.

4. To require (his)-(their) its employees, contractors, and employees of contractors, both independently and at the request of the Forest officers, to do all reasonably within their power to prevent and suppress fires.

**5.** To allow ulfigers of Forest Service free and unrestricted ss in, through, and across all lands covered by said soft of way, in the performance of their cial duties; and to allow the Forest Service, without charge, to construct or permit to be constructed in, through, or the Forest Service, without charge, to construct or permit to be constructed in, through, or across the land covered by said right of way, roads, trails, conduits, and other means of transacross the land covered by said right of said right of said right of way by the Applicant .

6. To make any assignment or transfer of said right of way only after and on condition that the assignees or transferees, jointly and severally, covenant in writing to fulfill and perform all the duties and obligations of the Applicant arising hereunder, including his (their) (its) obligations under this paragraph.

IN WITNESS WHEREOF, said Applicant has (have) caused this instrument to be executed

at Greeley \_\_\_\_\_\_, on this 23rd day of December \_\_\_\_\_\_\_8 The Greeley-Poudre Irrigation District By (Sgd) A. L. Kelly, President Attest (Sgd) W. H. Sanders, Secretary.

N. B.—When this instrument is executed by officers of a corporation it must be accompanied by evidence of their authority to do so.

_	Alternative Summary									
		Construction Time Frame		Operations and			Relative			
lo.	Alternative	(years, approximate)	Long-Term Risk	Maintenance	Pros	Cons	Cost			
					Can evaluate tunnel needs on an	Reactive rather than proactive				
					annual basis and allocate money on	Does not adequately address risk of				
1	Monitoring and maintenance	10+	High	High	an as-needed basis	catestrophic failures	\$ - \$\$\$			
					Stabilizes high-risk areas	Restricts future access and repair				
					Progressively addresses current	options				
					moderate to low risk areas	Lessens the likelihood of catastrophic				
						failures but does not manage all				
						risks.				
Ш	Spot Repairs	5+	Moderate	High		Extensive remobilization costs	\$\$			
					Stabilizes west half and utilizes	Multiple construction seasons in the				
					existing tunnel	current waterway				
					Expands tunnel profile to original					
					design					
					Reduces O&M					
					Economizes mobilization and tunnel					
					prep work					
Ш	Re-mine with Conventional support	3	Low	Low	Workers gain systematic efficiency		\$\$			
					Stabilizes west half and utilizes	Multiple construction seasons in the				
					existing tunnel	current waterway				
					Homogenizes tunnel profile					
					Reduces O&M					
					Economizes mobilization and tunnel					
IV	Slip-line and backfill	2	Negligible	Low	prep work		\$\$\$			
					Can keep existing tunnel in	Typical risks associated with				
					operation during construction	tunneling such as ground support,				
					Effectively removes all operating	groundwater, stuck				
V	New Tunnel West Side	3 (single shifts)	Negligible	Low	risks for the west side	TBM, etc.	\$\$\$\$			
					Can keep existing tunnel in	Typical risks associated with				
					operation during construction	tunneling such as ground support,				
					Provides long-term stability and	groundwater, stuck				
VI	Full Tunnel Replacement	3 (double shifts)	Negligible	Low	supply of water	TBM, etc.	\$\$\$\$\$			

#### Assumptions

Construction season within existing tunnel from October to April