

**Sealed Bid: Hawks Nests & Pipestem New
Tramways**

Buyer: Josh Hager

Solicitation NO: CRFQ 0310 DNR2200000007

Submitted by Doppelmayr

05/23/22 10:57:48
WV Purchasing Division



Doppelmayr USA, Inc.
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May 19, 2022



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May 19, 2022

Mr. Josh Hager
Department of Administration, Purchasing Division
2019 Washington Street East
Charleston, WV 25305-0130
Joseph.E.HagerIII@wv.gov

Solicitation No. CRFQ 0310 DNR220000007

Dear Mr. Hager:

Doppelmayr USA is pleased to respond to your Request for Quotation as it relates to the Hawks Nest and Pipestem New Tramways.

Most certainly the State of West Virginia has magnificent natural beauty highlighted through the opportunities provided at the multiple State Parks and Resorts. For decades tourists have been treated to the aerial tramways at Hawks Nest and Pipestem facilities. Each of these sites have allowed for countless guests who have thrilled to the memorable ride and the amenities that await them below. We are pleased to help reestablish the two facilities with specially designed gondolas that will provide reliable service for visiting tourists for years to come. We look forward to this opportunity to help advance the Hawks Nest and Pipestem State Parks into an era which includes a wonderful nature experience together with a unique attraction of an aerial gondola.

As quality, technology and market leader in ropeway engineering, the Doppelmayr/Garaventa group has built more than 15,100 installations for customers in 96 nations. Flexibility, know-how and pioneering spirit make us ideally equipped to meet the unique requirements of these two iconic systems. We are confident that the Pulse and Jig Back technology and the Doppelmayr Connect control system provide the perfect solution to achieve the performance goals while the Omega IV cabins will provide unrivaled passenger safety and comfort.

Doppelmayr is extremely happy to have the opportunity to bid on the two projects. With local West Virginia Offices and Service available, our product and reliability will give you unique aerial systems further accenting the natural setting of the Parks.

We stand ready to respond to any of your questions and thank you for the opportunity.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Katharina Schmitz', with a long horizontal flourish extending to the right.

Katharina Schmitz
President – Doppelmayr USA

West Virginia Division of Natural Resources
SAA0003381 Hawks Nest 2x2x8 MGFJ
SAA0003382 Pipestem 4x3x8-MGFP

May 18, 2022

Prepared by:
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West Virginia Division of Natural Resources Solicitation Number CRFQ 0310 DNR2200000007



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Hawks Nest Ropeway Specification

Profile Specifications

- Horizontal Length (ft)949
- Vertical Rise (ft).....456
- Slope Length (ft) 1061
- Walk Under Clearance: One tower out from bottom station

General Ropeway Specifications

- Lift Type2x2x8 MGFJ
- Lift Model Monocable Gondola Fixed Jig Back
- Rotation CCW
- Line Gauge (ft) 15.75
- Rope speed (fpm)..... 1000
- Trip time (min).....2.57
- Uphill/Downhill Capacity – Initial (p/h)..... 330
- Uphill/Downhill Capacity – Design (p/h)..... 330
- Number of Carriers – Initial 4
- Number of Carriers – Design 4
- Carrier Interval – Initial (sec) 174
- Carrier Interval – Design (sec)..... 174
- Cluster Spacing – (ft) 1155
- Carrier Spacing – (ft)..... 12
- Downhill capacity (%) 100
- Drive Location..... Bottom
- Tension Location..... Bottom
- Mid Station..... No
- Parking System..... No
- Installation Type Turnkey

Bottom Station

- Station Type Moveable Drive / Tension
- Station Model..... Jigback Moveable Drive / Tension
- Bullwheel Diameter (ft) 15.75
- Tension equipment Hydraulic Tensioning Unit
- Tension Travel (ft) 34.5
- Operators Enclosure L (9' 4" x 20' 0")



Top Station

- Station Type.....Fixed Return
- Station Model..... Jigback Fixed Return
- Bullwheel Diameter (ft)..... 15.75
- Operators Enclosure..... M (9' 4" x 14' 8")

Drive Equipment

- Primary Drive Type..... Conventional Drive
- Electric Drive Equipment¹..... ABB AC Digital Drive w/ Regen
- Electric Motor¹..... AC
- Main Disconnect and Distribution Panel Included
- Drive Gear Reducer Lohmann GPW-190 Series III

- Secondary Drive Type..... Genset
- Transmission Type..... Via Electric Motor
- Drive Speed 100%
- EPA Rating Tier III – Emergency Use Only
- Fuel Tank Size (gal)24-hour Tank

- Evacuation Power Unit – (EPU)..... Diesel Power Unit
- Drive Speed25%
- Transmission Type..... Pulley and V-Belt Transmission
- Fuel Tank Size (gal)25

- Service Brake Disc/Caliper on Gearbox Input Shaft – Spring Applied
- Bullwheel Backstop..... Caliper on Bullwheel Brake Disc – Spring Applied
- Emergency Brake Caliper on Bullwheel Brake Disc – Spring Applied

¹ Digital drive and motor sized to fit the application of the lift at 110% of the designed theoretical load

Line Equipment

- Tower Quantity 4
- Tower Tube Design Tubular
- Tower Finish Painted Primed Only Galvanized
- Ladder Ascenders Included
- Crossarm Walkways and Lifting Frames Included – Galvanized
- Grip QC A145/QCSA

- Haul Rope 45mm
- Haul Rope Finish Galvanized
- Haul Rope Manufacturer Fatzer
- Sheaves Doppelmayr 401 Dual Snap Ring
- Sheave Liners Doppelmayr 401
- Sheave Access Assemblies Wave Walkway
- Anemometer One
- Communication Line 50 Pair
- Communication Line Install Type Aerial
- Aerial Fiberoptic Line Single Mode
- Fiberoptic Cable Strand Quantity 144

Carriers

- Contract Carrier Quantity 3 + 1 Freight Carrier
- Carrier Model Omega IV-8
- Galvanized Work Platform for freight with Grip Included

Electrical & Controls

- Doppelmayr Connect Ropeway Controls Yes
- Interior Operation Locations per terminal 2
- Exterior Operation Locations per terminal 4
- Station Wi-Fi No
- Failsafe Handpacks No
- Tablets No
- Automatic Announcements Yes
- Deactivation Concept No
- Tower Speakers None
- Station Speakers Yes
- RFID System No
- Lightning Protection Yes

Other Items

- Rescue System Equipment..... No
- Basic Terminal Set Up Tools..... Yes
- Hydraulic Sheave press No

Pipestem Ropeway Specification

Profile Specifications

- Horizontal Length (ft) 3248
- Vertical Rise (ft) 1140
- Slope Length (ft) 3480
- Walk Under Clearance: One tower out from top and bottom station

General Ropeway Specifications

- Lift Type 2x2x8 MGFP
- Lift Model Monocable Gondola Fixed Pulse
- Rotation CCW
- Line Gauge (ft) 15.75
- Rope speed (fpm) 1000
- Trip time (min) 6.54
- Uphill/Downhill Capacity – Initial (p/h) 440
- Uphill/Downhill Capacity – Design (p/h) 440
- Number of Carriers – Initial 12
- Number of Carriers – Design 12
- Carrier Interval – Initial (sec) 196
- Carrier Interval – Design (sec) 196
- Cluster Spacing – (ft) 1777
- Carrier Spacing – (ft) 12
- Downhill capacity (%) 100
- Drive Location Top
- Tension Location Bottom
- Mid Station No
- Parking System No
- Installation Type Turnkey



Bottom Station

- Station Type.....Moveable Drive / Tension
- Station Model.....Pulse Gondola Drive Tension
- Bullwheel Diameter (ft) 15.75
- Tension equipment Hydraulic Tensioning Unit
- Tension Travel (ft) 40.88
- Operators Enclosure..... M (9' 4" x 14' 8")

Top Station

- Station Type.....Fixed Return
- Station Model..... Pulse Gondola Fixed Return
- Bullwheel Diameter (ft) 15.75
- Operators Enclosure..... L (9' 4" x 20' 0")

Drive Equipment

- Primary Drive Type..... Conventional Drive
- Electric Drive Equipment¹..... ABB AC Digital Drive w/ Regen
- Electric Motor¹..... AC
- Main Disconnect and Distribution Panel Included
- Drive Gear Reducer Lohmann GPW-215 Series III

- Secondary Drive Type..... Genset
- Transmission Type..... Via Electric Motor
- Drive Speed 100%
- EPA Rating Tier III – Emergency Use Only
- Fuel Tank Size (gal) 24-hour Tank

- Evacuation Power Unit – (EPU)..... Diesel Power Unit
- Drive Speed 25%
- Transmission Type..... Pulley and V-Belt Transmission
- Fuel Tank Size (gal) 25

- Service Brake Disc/Caliper on Gearbox Input Shaft – Spring Applied
- Bullwheel Backstop..... Caliper on Bullwheel Brake Disc – Spring Applied
- Emergency Brake Caliper on Bullwheel Brake Disc – Spring Applied

¹ Digital drive and motor sized to fit the application of the lift at 110% of the designed theoretical load

- ☐ Lightning Protection Yes

Other Items

- ☐ Rescue System Equipment.....No
- ☐ Basic Terminal Set Up Tools..... Yes
- ☐ Hydraulic Sheave pressNo

Pipestem Ropeway Specification – Alternate

Profile Specifications

- Horizontal Length (ft) 3013
- Vertical Rise (ft) 1105
- Slope Length (ft) 3236
- Walk Under Clearance: One tower out from bottom station

General Ropeway Specifications

- Lift Type 2x2x8 MGFP
- Lift Model Monocable Gondola Fixed Pulse
- Rotation CCW
- Line Gauge (ft) 15.75
- Rope speed (fpm) 1000
- Trip time (min) 6.30
- Uphill/Downhill Capacity – Initial (p/h) 457
- Uphill/Downhill Capacity – Design (p/h) 457
- Number of Carriers – Initial 12
- Number of Carriers – Design 12
- Carrier Interval – Initial (sec) 189
- Carrier Interval – Design (sec) 189
- Cluster Spacing – (ft) 1655
- Carrier Spacing – (ft) 12
- Downhill capacity (%) 100
- Drive Location Top
- Tension Location Bottom
- Mid Station No
- Parking System No
- Installation Type Turnkey

Bottom Station

- Station Type Moveable Drive / Tension
- Station Model Pulse Gondola Drive Tension
- Bullwheel Diameter (ft) 15.75
- Tension equipment Hydraulic Tensioning Unit
- Tension Travel (ft) 40.88
- Operators Enclosure M (9' 4" x 14' 8")



Top Station

- Station Type Fixed Return
- Station Model Pulse Gondola Fixed Return
- Bullwheel Diameter (ft) 15.75
- Operators Enclosure L (9' 4" x 20' 0")

Drive Equipment

- Primary Drive Type Conventional Drive
- Electric Drive Equipment¹ ABB AC Digital Drive w/ Regen
- Electric Motor¹ AC
- Main Disconnect and Distribution Panel Included
- Drive Gear Reducer Eurodrive Gearbox w/ CAT Planetary

- Secondary Drive Type Genset
- Transmission Type Via Electric Motor
- Drive Speed 100%
- EPA Rating Tier III – Emergency Use Only
- Fuel Tank Size (gal) 24-hour Tank

- Evacuation Power Unit – (EPU) Diesel Power Unit
- Drive Speed 25%
- Transmission Type Pulley and V-Belt Transmission
- Fuel Tank Size (gal) 25

- Service Brake Disc/Caliper on Gearbox Input Shaft – Spring Applied
- Bullwheel Backstop Caliper on Bullwheel Brake Disc – Spring Applied
- Emergency Brake Caliper on Bullwheel Brake Disc – Spring Applied

¹ Digital drive and motor sized to fit the application of the lift at 110% of the designed theoretical load



- Lightning Protection Yes

Other Items

- Rescue System Equipment No
- Basic Terminal Set Up Tools Yes
- Hydraulic Sheave press No

Buyer Scope

- Buyer will be responsible for removing old ropeways, clearing gondola alignments and for providing access to terminal locations
- Buyer shall provide ample lay down area for lift equipment, helicopter rigging, helicopter fueling, and vehicles required for installation
- Any underground or overhead electrical power or other utilities that is in location of any terminals shall be relocated by Buyer
- Road and bridge ratings for access roads will be provided to Seller
- Passenger platforms for gondola loading and unloading will be supplied by Buyer

Project Responsibilities

Permits and Survey		Seller	Buyer
1.	An accurate topographical map (2' contours) showing terminal sites and preliminary survey		✓
2.	Legal property line surveys		✓
3.	For surveying purposes, provide a clear and clean sightline for the entire proposed lift line		✓
4.	Provide layout drawings for the terminal and tower locations	✓	
5.	Approve design profile and terminal layouts		✓
6.	Supply all permits and authorizations (including costs and fees)		✓
7.	Provide "as built" lift line survey	✓	
Engineering and Civil Installation		Seller	Buyer
8.	Survey tower and terminal locations for excavation	✓	
9.	Construction Engineering including certification as required under ANSI B77.1-2017 from a Qualified Engineer that the construction and installation have been completed in accordance with the final design criteria for such work	✓	
10.	Design Engineering including certification as required under ANSI B77.1-2017 from a Qualified Engineer that manufactured parts conform to the verifiable design criteria for the ropeway	✓	
11.	Provide concrete testing and reports	✓	
12.	Provide site engineering inspections	✓	
13.	Provide standard foundation designs for terminals and towers where soil bearing pressures are 4000 psf. or greater and rock anchors are not employed	✓	
14.	Cover expenses for site specific foundation designs for terminals and towers where Seller's standard design is unsuitable		✓
15.	Excavate for terminal and tower foundations – Note: If excavation requires hand work, additional charges will apply and will be Buyer's responsibility	✓	
16.	Install foundations for towers – supply labor, concrete, forms and rebar	✓	
17.	Install foundations for terminals – supply labor, concrete, forms and rebar	✓	

18.	Provide electrical conduit from terminal to control room and grounding wire for foundations per foundation drawings	✓	
19.	Install electrical conduit from terminal to control room		✓
20.	Perform pre-construction grading, cuts, or fills on the line as required by approved profile		✓
21.	For special excavations, provide any drilling, blasting, hydraulic rock removal, compaction material, labor, compaction equipment, and geo-technical engineering		✓
22.	Cover expenses for any lift re-engineering required by Seller as a result of revised ground conditions		✓
23.	Perform pre-construction grading, cuts, or fills at terminal sites as required for Seller's installation up to within 2 feet of Top of Concrete		✓
24.	Clear and grub lift line and terminal areas and remove slash.		✓
25.	Provide fill or grading at terminal or tower sites for crane pads to facilitate installation		✓
26.	Provide priority access for Seller's vehicle and equipment over other contractors during the construction season		✓
27.	Provide roads to terminals that are suitable for highway legal concrete trucks and equipment delivery trucks without being towed or otherwise assisted		✓
28.	Provide access to tower sites, where practical and / or preexisting, that are suitable for highway legal concrete trucks and equipment delivery trucks without being towed or otherwise assisted.		✓
29.	For tower sites that are not accessible, provide spider-hoe for excavation and helicopter for concrete placement.	✓	
30.	Clear and maintain access roads, provide dust abatement, remove and replace water bars as required		✓
31.	Provide suitable lift construction staging and equipment assembly areas		✓
32.	Provide suitable location for office and tool trailer connected to power and telephone services if required by Seller		✓
33.	Provide firefighting and fire suppression equipment as required by local authorities		✓
34.	Provide permanent drainage system at bottom or top terminal (if required)		✓
35.	Provide erosion control, BMPs, and Storm Water Pollution Prevention Plan (SWPPP)	✓	

36.	Provide interface with existing utilities or permanent structures		✓
37.	Locate underground services (if required)	✓	
38.	Relocate any underground services that interfere with the new lift foundations		✓
39.	Perform soils engineering including independent foundation soil inspection (if required) & related design/engineered fill		✓
Mechanical Installation		Seller	Buyer
40.	Install, align, and grout towers	✓	
41.	Install and align terminals and machinery	✓	
42.	Provide unfettered access to terminal sites at all times, provide monitoring and control of general public and other contractors in vicinity of terminal and tower sites		✓
43.	Install and align sheave assemblies	✓	
44.	Install and splice haul rope, re-splice haul rope within six months from date of Acceptance Test if remaining carriage travel is less than five percent (5%) of terminal design carriage travel	✓	
45.	Install and tension communication cables to Seller's specifications	✓	
46.	Bury communication cables to Seller's specification	✓	
47.	Provide required labor for haul rope splice	✓	
48.	Provide all required crowd and traffic control during haul rope splice		✓
49.	Provide all required crowd and traffic control during helicopter work, the area under the helicopter flight path must remain clear at all times while the helicopter is in flight		✓
50.	Provide insulation in terminal enclosures (if required)		✓
51.	Install motor room or terminal enclosures on drive stations	✓	
52.	Provide fuel storage and handling equipment		✓
53.	Assemble and install carriers	✓	
Electrical Installation		Seller	Buyer
54.	Provide transformers and harmonic filter (if required)		✓
55.	Supply AC electrical utility power with frequency of 60 Hertz and allowable voltage variation of $\pm 5\%$		✓
56.	Install and test electrical controls	✓	



57.	Install batteries and chargers	✓	
58.	Supply and install lights for passenger platforms		✓
59.	Provide main electrical disconnects and transformer distribution panels (EDP's) for drive and return operators enclosures	✓	
60.	Provide and install operators' enclosures if supplied as part of the Contract	✓	
61.	Install and commission motor controller and motor	✓	
62.	Install and commission APU and evacuation drives if supplied as part of the Contract	✓	
63.	Provide power to and energize EDP's at both terminals		✓
64.	Install communication cable connections at towers	✓	
65.	Install and tension fiber optics line (if required)	✓	
66.	Terminate fiber optics line on both ends for connection to lift controls, spare fiber optic strands, or strands slated for Buyer use will not be terminated	✓	
67.	Provide adequate power supply up to main electrical distribution panel including any modifications to existing power supply		✓
	Completion and Testing	Seller	Buyer
68.	Provide construction certificates	✓	
69.	Provide splice certificate	✓	
70.	Final preoperational alignment and testing	✓	
71.	Perform acceptance test complete with data acquisition based on Buyer meeting the critical dates as set forth in the Contract	✓	
72.	Schedule all Authorities Having Jurisdiction for acceptance test based on Seller's confirmation of an acceptance test date		✓
73.	Provide signs and towers pads		✓
74.	Provide evacuation equipment, except as stated		✓
75.	Provide loading/Unloading ramps and platforms except for moving platforms which are provided by Seller		✓
76.	Provide labor and ballast for acceptance test	✓	
77.	Provide final compacted fill and grading at both terminals, repair any damages caused by poor soil compaction or inadequate retaining walls		✓
78.	Arrange to have two lift technicians attend the new lift operation and training class provided by the Seller. Any additional on-site		✓

	training will be provided to the Buyer based on published service rates and is not part of this Contract		
79.	Provide two qualified representatives to assist with operating and adjusting the lift during the commissioning and testing		✓
80.	Provide initial haul rope MRT for lifts running 3 m/s and faster or as required by ANSI B77.1-2017	✓	

Terms, Delivery and Payment

Delivery

Completion to be determined based on Contract signing date and receipt of payments as specified under Terms of Payment shown below. Delivery dates, and critical milestone dates will be determined at the time of Contract signing.

Terms of Payment - Turnkey

Separate payments shall be made for each individual lift project (Hawks Nest and Pipestem) according to the following schedule. Partial invoices shall be allowed for partial completion of the milestones listed below. The amounts listed below are payable within fifteen (15) days of the invoice date (except the initial down payment is due upon contract signing). All past due amounts accrue interest from the date of the invoice to the date the payment is received at an annual rate of eighteen percent (18%) or two percent (2%) over the prime rate whichever is higher.

Initial down payment and Contract signing	25%
Upon completion of drive terminal foundations	5%
Upon completion of return terminal foundations	5%
Upon completion of tower foundations	5%
Upon delivery of towers	5%
Upon delivery of carriers	5%
Upon delivery of line equipment	10%
Upon delivery of drive terminal	15%
Upon delivery of return terminal	5%
Upon delivery of grips	5%
Upon installation of towers	5%
Upon installation of drive terminal	2.5%
Upon installation of return terminal	2.5%
Upon completion of Acceptance Test	5%
TOTAL	100%

This quote is based on information supplied by the Buyer. Price is subject to revision based on final line profile design and acceptance of equipment by Buyer. All pricing and information contained in this document shall remain confidential and shall not be distributed without the express consent of Doppelmayr USA, Inc.

Hawks Nest / Pipestem

Applicable State/local taxes: Business and Occupancy tax for Hawk's Nest is included in the price. It is Doppelmayr's understanding that as a general rule, a West Virginia local unit of government is exempt from paying sales or use taxes; therefore no other taxes are include in the price. If any other taxes are applicable, they will be billed to the Buyer as an additional item on the project invoices. The calculation of tax is generally based on actual costs, not estimated costs, and is subject to internal audit at completion and audit by State/local authorities.

Warranty

Turnkey

When used and maintained in accordance with the maintenance and operation manual provided by Seller to Buyer, Seller warrants that the Lift when delivered to Buyer, shall be of merchantable quality and free from defect in materials and workmanship for two (2) years from the date of completion of the Work by Seller or its authorized dealer or 2,400 hours of operation, whichever comes first (the "Warranty Period"). During the first year of the Warranty Period or the first 1,200 hours of operation, whichever comes first, Seller agrees to supply Buyer with replacement parts for any part of the Lift that is defective as to material or workmanship free of charge. During this period, replacement parts shall be installed at Seller's cost and expense. During the second year of the Warranty Period or 1,201 – 2,400 hours of operation, whichever comes first, Seller agrees to supply Buyer replacement parts for any part of the Lift that is defective as to material or workmanship free of charge. During this period, all replacement parts shall be installed at Buyer's cost and expense except in the case that Seller chooses to repair a component on site in lieu of providing a replacement. Notwithstanding the foregoing, under no circumstances shall Seller be under any obligation to contribute to the cost for normal maintenance and repairs to the Lift or non-defective items requiring replacement as a result of ordinary use or wear and tear during the Warranty Period.

Notwithstanding anything in this Contract to the contrary, the warranty period for any component parts and equipment included in the Lift that are supplied by third party vendors not affiliated with Seller, shall be limited to the applicable terms and limitations of the warranty provided by such third party vendors to Seller. Further, Seller shall not be liable for breach of its warranties as set forth in this Contract, if such breach is caused by: (a) force majeure or any other cause beyond Seller's reasonable control; (b) alteration, modification or change in the Work or Lift and/or use of component parts or equipment supplied by parties other than Seller, except when done according to plans and specifications specifically referring to such additional work and warranted by Seller in writing; (c) improper maintenance, operation or use of the Lift; (d) abnormal wind conditions; (e) damages caused by abrasives, dirt or corrosion; (f) improper cable alignment or lubrication; or (g) any error in any geographical investigation or estimate of snow depth or in any engineering or other information supplied by Buyer or its agents to Seller. The right to require the replacement of a defective part shall be Buyer's sole remedy for any breach of the warranties as set forth in this Contract. Seller specifically disclaims any other obligation, expressed or implied. **EXCEPT AS SPECIFICALLY DESCRIBED IN THIS PARAGRAPH, THERE ARE NO OTHER WARRANTIES EXPRESS OR IMPLIED. ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED.**

DESIGNATED CONTACT: Vendor appoints the individual identified in this Section as the Contract Administrator and the initial point of contact for matters relating to this Contract.

Katharina Schmitz, President
(Name, Title)

Katharina Schmitz, president
(Printed Name and Title)

3160 West 500 South, Salt Lake City, UT 84104
(Address)

(801) 973-7977 / (801) 973-9580
(Phone Number) / (Fax Number)

Katharina.schmitz@doppelmayrusa.com
(email address)

CERTIFICATION AND SIGNATURE: By signing below, or submitting documentation through wvOASIS, I certify that: I have reviewed this Solicitation in its entirety; that I understand the requirements, terms and conditions, and other information contained herein; that this bid, offer or proposal constitutes an offer to the State that cannot be unilaterally withdrawn; that the product or service proposed meets the mandatory requirements contained in the Solicitation for that product or service, unless otherwise stated herein; that the Vendor accepts the terms and conditions contained in the Solicitation, unless otherwise stated herein; that I am submitting this bid, offer or proposal for review and consideration; that I am authorized by the vendor to execute and submit this bid, offer, or proposal, or any documents related thereto on vendor's behalf; that I am authorized to bind the vendor in a contractual relationship; and that to the best of my knowledge, the vendor has properly registered with any State agency that may require registration.

By signing below, I further certify that I understand this Contract is subject to the provisions of West Virginia Code § 5A-3-62, which automatically voids certain contract clauses that violate State law.

Doppelmayr USA
(Company)


(Authorized Signature)

Katharina Schmitz - President
(Representative Name, Title)

Katharina Schmitz, president 5-19-22
(Printed Name and Title of Authorized Representative) (Date)

(801)973-7977
(Phone Number) (Fax number)

ADDENDUM ACKNOWLEDGEMENT FORM SOLICITATION NO: CRFQ 0310 DNR2200000007

Instructions: Please acknowledge receipt of all addenda issued with this solicitation by completing this addendum acknowledgment form. Check the box next to each addendum received and sign below. Failure to acknowledge addenda may result in bid disqualification.

Acknowledgment: I hereby acknowledge receipt of the following addenda and have made the necessary revisions to my proposal, plans and/or specification, etc.

Addendum Numbers Received:
(Check the box next to each addendum received)

- | | |
|--|--|
| <input checked="" type="checkbox"/> Addendum No. 1 | <input type="checkbox"/> Addendum No. 6 |
| <input checked="" type="checkbox"/> Addendum No. 2 | <input type="checkbox"/> Addendum No. 7 |
| <input checked="" type="checkbox"/> Addendum No. 3 | <input type="checkbox"/> Addendum No. 8 |
| <input checked="" type="checkbox"/> Addendum No. 4 | <input type="checkbox"/> Addendum No. 9 |
| <input type="checkbox"/> Addendum No. 5 | <input type="checkbox"/> Addendum No. 10 |

I understand that failure to confirm the receipt of addenda may be cause for rejection of this bid. I further understand that any verbal representation made or assumed to be made during any oral discussion held between Vendor's representatives and any state personnel is not binding. Only the information issued in writing and added to the specifications by an official addendum is binding.

Company Doppelmayr USA

Authorized Signature 

Date 5-19-22

NOTE: This addendum acknowledgment should be submitted with the bid to expedite document processing.

PROJECT MANUAL

**HAWKS NEST AND PIPESTEM TRAM REPLACEMENT PROJECT
TRAMWAY PACKAGE #3
WEST VIRGINIA DEPARTMENT OF NATURAL RESOURCES
ANSTEAD, WEST VIRGINIA**

**MARCH 1, 2022
ISSUED FOR BIDDING**

AAI PROJECT NO. 2112149.00

**ALPHA ASSOCIATES, INCORPORATED
209 PRAIRIE AVENUE
MORGANTOWN, WEST VIRGINIA 26501**



3.1-22

.....
**Copyright 2022 Alpha Associates, Incorporated
All Rights Reserved**

*Kel Selk
5-19-22*



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Construction

Proc Folder: 1015522 Doc Description: Hawks Nest & Pipestem New Tramways Proc Type: Central Purchase Order			Reason for Modification:
Date Issued 2022-03-17	Solicitation Closes 2022-04-28 13:30	Solicitation No CRFQ 0310 DNR2200000007	

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : *Doppelmayr USA*
 Address : *3160 W 500 S*
 Street : *3160 W 500 S*
 City : *Salt Lake City*
 State : *UT* Country : *USA* Zip : *84104*
 Principal Contact : *Katharina Schmitz*
 Vendor Contact Phone: *801-973-7977* Extension: *141*

FOR INFORMATION CONTACT THE BUYER
 Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor Signature X *Kolby* FEIN# *41-2030626* DATE *5-19-22*

All offers subject to all terms and conditions contained in this solicitation



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Construction

Proc Folder: 1015522		Reason for Modification:	
Doc Description: Hawks Nest & Pipestem New Tramways		Addendum #1 issued to publish agency clarifications, extend Q&A deadline, extend bid due date, and p..... See Page 2 for complete info	
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-04-19	2022-05-12 13:30	CRFQ 0310 DNR2200000007	2

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : *Doppelmayr USA*
 Address : *3160 W 500 S*
 Street :
 City : *Salt Lake city*
 State : *VT* Country : *USA* Zip : *84104*
 Principal Contact : *Katharina Schmitz*
 Vendor Contact Phone: *801-973-7977* Extension: *141*

FOR INFORMATION CONTACT THE BUYER
 Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor Signature X *[Signature]* FEIN# *41-2030626* DATE *5-19-22*

All offers subject to all terms and conditions contained in this solicitation



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Construction

Proc Folder: 1015522	Reason for Modification: Addendum #2 issued to publish agency responses to all vendor submitted questions.
Doc Description: Hawks Nest & Pipestem New Tramways	
Proc Type: Central Purchase Order	

Date Issued	Solicitation Closes	Solicitation No	Version
2022-04-28	2022-05-12 13:30	CRFQ 0310 DNR2200000007	3

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : *Doppelmayr USA*

Address : *3160 W 500 S*

Street :

City : *Salt Lake City*

State : *UT* Country : *USA* Zip : *84104*

Principal Contact : *Katharina Schmitz*

Vendor Contact Phone: *801-973-7977* Extension:

FOR INFORMATION CONTACT THE BUYER
 Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor Signature X *Kelly* FEIN# *41-2030626* DATE *5-19-22*

All offers subject to all terms and conditions contained in this solicitation



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Construction

Proc Folder: 1015522		Reason for Modification:	
Doc Description: Hawks Nest & Pipestem New Tramways		Addendum #3 issued to publish agency responses to additional vendor questions.	
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-04-29	2022-05-12 13:30	CRFQ 0310 DNR2200000007	4

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:
Vendor Name: Doppelmayr USA
Address: 3160 W 500 S
Street:
City: Salt Lake city
State: UT **Country:** USA **Zip:** 84104
Principal Contact: Katharina Schmitz
Vendor Contact Phone: 801-973-7977 **Extension:** 141

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor Signature X  **FEIN#** 41-2030626 **DATE** 5.19.22

All offers subject to all terms and conditions contained in this solicitation



Department of Administration
 Purchasing Division
 2019 Washington Street East
 Post Office Box 50130
 Charleston, WV 25305-0130

State of West Virginia
 Centralized Request for Quote
 Construction

Proc Folder: 1015522		Reason for Modification:	
Doc Description: Hawks Nest & Pipestem New Tramways		Addendum #4 is issued to extend the bid due date until 5/24/2022.	
Proc Type: Central Purchase Order			
Date Issued	Solicitation Closes	Solicitation No	Version
2022-05-04	2022-05-24 13:30	CRFQ 0310 DNR2200000007	5

BID RECEIVING LOCATION

BID CLERK
 DEPARTMENT OF ADMINISTRATION
 PURCHASING DIVISION
 2019 WASHINGTON ST E
 CHARLESTON WV 25305
 US

VENDOR

Vendor Customer Code:

Vendor Name : Doppelmayr USA
Address : 3160 W 500 S
Street :
City : Salt Lake city
State : UT **Country :** USA **Zip :** 84104
Principal Contact : Katharina Schmitz
Vendor Contact Phone: 801-973-7977 **Extension:** 141

FOR INFORMATION CONTACT THE BUYER

Joseph E Hager III
 (304) 558-2306
 joseph.e.hageriii@wv.gov

Vendor
 Signature X

FEIN# 41-2030626

DATE 5-19-22

All offers subject to all terms and conditions contained in this solicitation

EXHIBIT A – PRICING PAGE
**Hawks Nest State Park and Pipestem
Resort State Park Tramway Replacement
Project Contract #3**

Name of Vendor: Doppelmayr USA Inc

Address of Vendor: 3160 West 500 South
Salt Lake City, UT 84104

Phone Number of Vendor: (801) 973-7977

We, the undersigned, having examined the site and being familiar with the local conditions affecting the cost of the work and being familiar with the general conditions to vendors, drawings, and specifications, hereby proposes to furnish all materials, equipment, and labor to complete all work in a workmanlike manner, as described in the Bidding documents.

“A” Base Bid

The Base Bid shall consist of construction of the facility and related work described in the drawings and specifications. **Total Base Bid** shall be indicated in the space below.

Total Base Bid: Lump sum for all labor, materials, and equipment as stipulated in the Bidding Documents, written in figures.

\$12,730,000

Total Base Bid: Lump sum for all labor, materials, and equipment as stipulated in the Bidding Documents, written in words.

Twelve million seven hundred thirty thousand

Additive Alternates

The Alternate Bid shall consist of all the work described in the Project Manual.

“B” Alternate No. 1 - Provide a lump sum cost to locate upper tram station immediately in front of, at the current floor level of the existing upper tram station.

EXHIBIT A – PRICING PAGE
Hawks Nest State Park and Pipestem
Resort State Park Tramway Replacement
Project Contract #3

Total Alternate No. 1 Bid:
"B" Provide a lump sum cost
to locate upper tram station
immediately in front of, at the
current floor level of the
existing upper tram station
Written in numbers.

\$285,000

Total Alternate No. 1 Bid:
"B" Provide a lump sum cost
to locate upper tram station
immediately in front of, at the
current floor level of the
existing upper tram station
Written in words.

Two hundred eighty-five thousand

Total Bid Amount is the TOTALS of A + B =

\$ 13,015,000 (thirteen million fifteen thousand)

Karl Schulz

5-19-22

President, Doppelmayr USA

BID BOND

KNOW ALL MEN BY THESE PRESENTS, That we, the undersigned, DOPPELMAYR USA, INC.
of Salt Lake City Utah, as Principal, and ARCH INSURANCE COMPANY
of Jersey City New Jersey, a corporation organized and existing under the laws of the State of Missouri
with its principal office in the City of Jersey City, as Surety, are held and firmly bound unto the State
of West Virginia, as Obligee, in the penal sum of Five Percent (5%) of Bid (\$) for the payment of which,
well and truly to be made, we jointly and severally bind ourselves, our heirs, administrators, executors, successors and assigns.

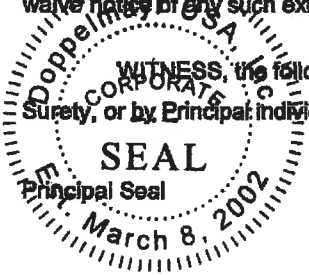
The Condition of the above obligation is such that whereas the Principal has submitted to the Purchasing Section of the
Department of Administration a certain bid or proposal, attached hereto and made a part hereof, to enter into a contract in writing for
New Tramways at Hawks Nest State Park and Pipestem Resort State Park

NOW THEREFORE,

- (a) If said bid shall be rejected, or
- (b) If said bid shall be accepted and the Principal shall enter into a contract in accordance with the bid or proposal
attached hereto and shall furnish any other bonds and insurance required by the bid or proposal, and shall in all other respects perform
the agreement created by the acceptance of said bid, then this obligation shall be null and void, otherwise this obligation shall remain in
full force and effect. It is expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no
event, exceed the penal amount of this obligation as herein stated.

The Surety, for the value received, hereby stipulates and agrees that the obligations of said Surety and its bond shall be in no
way impaired or affected by any extension of the time within which the Obligee may accept such bid, and said Surety does hereby
waive notice of any such extension.

WITNESS the following signatures and seals of Principal and Surety, executed and sealed by a proper officer of Principal and
Surety, or by Principal individually if Principal is an individual, this 12th day of May, 2022.



DOPPELMAYR USA, INC.
(Name of Principal)
By [Signature]
(Must be President, Vice President, or
Duly Authorized Agent)
PRESIDENT
(Title)

Surety Seal

ARCH INSURANCE COMPANY
(Name of Surety)
By [Signature]
Attorney-in-Fact Douglas J. Rothey

IMPORTANT – Surety executing bonds must be licensed in West Virginia to transact surety insurance, must affix its seal, and must attach a power of attorney with its seal affixed.

POWER OF ATTORNEY

Know All Men By These Presents:

That the Arch Insurance Company, a corporation organized and existing under the laws of the State of Missouri, having its principal office in Kansas City, Missouri (hereinafter referred to as the "Company") does hereby appoint

Douglas J. Rothey, Cynthia M. Burnett and Erik Ulibarri of Littleton, CO (EACH)

its true and lawful Attorney(s)-in-Fact, to make, execute, seal, and deliver from the date of issuance of this power for and on its behalf as surety, and as its act and deed:

Any and all bonds and undertakings

EXCEPTION: NO AUTHORITY is granted to make, execute, seal and deliver bonds or undertakings that guarantee the payment or collection of any promissory note, check, draft or letter of credit.

This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

The Company may revoke this appointment at any time.

The execution of such bonds and undertakings in pursuance of these presents shall be as binding upon the said Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office in Kansas City, Missouri.

This Power of Attorney is executed by authority of resolutions adopted by unanimous consent of the Board of Directors of the Company on March 3, 2003, true and accurate copies of which are hereinafter set forth and are hereby certified to by the undersigned Secretary as being in full force and effect:

"VOTED, That the Chairman of the Board, the President, or any Vice President, or their appointees designated in writing and filed with the Secretary, or the Secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them to execute on behalf of the Company, and attach the seal of the Company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings, obligatory in the nature thereof, and any such officers of the Company may appoint agents for acceptance of process."

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the unanimous consent of the Board of Directors of the Company on March 3, 2003:

VOTED, That the signature of the Chairman of the Board, the President, or any Vice President, or their appointees designated in writing and filed with the Secretary, and the signature of the Secretary, the seal of the Company, and certifications by the Secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to the resolution adopted by the Board of Directors on March 3, 2003, and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the Company.


In Testimony Whereof, the Company has caused this instrument to be signed and its corporate seal to be affixed by their authorized officers, this 15th day of June, 2011.

Arch Insurance Company

Attested and Certified

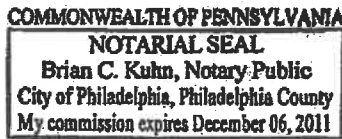

Martin J. Nilsen, Secretary





J. Michael Pete, Vice President

STATE OF PENNSYLVANIA SS
COUNTY OF PHILADELPHIA SS

I, Brian C. Kuhn, a Notary Public, do hereby certify that Martin J. Nilsen and J. Michael Pete personally known to me to be the same persons whose names are respectively as Secretary and Vice President of the Arch Insurance Company, a Corporation organized and existing under the laws of the State of Missouri, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary acts for the uses and purposes therein set forth.

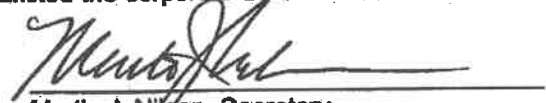



Brian C. Kuhn, Notary Public
My commission expires 12-06-2011

CERTIFICATION

I, Martin J. Nilsen, Secretary of the Arch Insurance Company, do hereby certify that the attached Power of Attorney dated June 15, 2011 on behalf of the person(s) as listed above is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said J. Michael Pete, who executed the Power of Attorney as Vice President, was on the date of execution of the attached Power of Attorney the duly elected Vice President of the Arch Insurance Company.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the Arch Insurance Company on this 12th day of May, 2022.


Martin J. Nilsen, Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein and they have no authority to bind the Company except in the manner and to the extent herein stated.

PLEASE SEND ALL CLAIM INQUIRIES RELATING TO THIS BOND TO THE FOLLOWING ADDRESS:

Arch Surety
3 Parkway, Ste. 1500
Philadelphia, PA 19102



State of West Virginia
Purchasing Division

CERTIFIED DRUG-FREE WORKPLACE REPORT COVERSHEET

In accordance with **West Virginia Code** § 21-1D-7b, no less than once per year, or upon completion of the project, every contractor shall provide a certified report to the public authority which let the contract. That report must include each of the items identified below in the Required Report Content section.

Instructions: Vendor should complete this coversheet, attach it to the required report, and submit it to the appropriate location as follows: For contracts more than \$25,000, the report should be mailed to the West Virginia Purchasing Division at 2019 Washington Street East, Charleston, WV 25305. For contracts of \$25,000 or less, the vendor should mail the report to the public authority issuing the contract.

Contract Identification:

Contract Number: CRFQ 0310 DNR2200000007

Contract Purpose: Replace Tramways at Hawks Nest and Pipestem State Parks

Agency Requesting Work: Division of Natural Resources

Required Report Content: The attached report must include each of the items listed below. The vendor should check each box as an indication that the required information has been included in the attached report.

- Information indicating the education and training service to the requirements of **West Virginia Code** § 21-1D-5 was provided;
- Name of the laboratory certified by the United States Department of Health and Human Services or its successor that performs the drug tests;
- Average number of employees in connection with the construction on the public improvement;
- Drug test results for the following categories including the number of positive tests and the number of negative tests: (A) Pre-employment and new hires; (B) Reasonable suspicion; (C) Post-accident; and (D) Random.

Vendor Contact Information:

Vendor Name: Doppelmayr USA

Vendor Telephone: (801) 973-7977

Vendor Address: 3160 West 500 South

Vendor Fax: (801) 973-9580

Salt Lake City, UT 84104

Vendor E-Mail:

michelle.fournier@doppelmayrusa.com

Will send if project awarded



State of West Virginia
DRUG FREE WORKPLACE CONFORMANCE AFFIDAVIT
West Virginia Code §21-1D-5

I, ~~Katharina~~
Schmitz after being first duly sworn, depose and state as follows:

1. I am an employee of Doppelmayr USA; and,
(Company Name)
2. I do hereby attest that Doppelmayr USA
(Company Name)

maintains a written plan for a drug-free workplace policy and that such plan and policy are in compliance with **West Virginia Code §21-1D**.

The above statements are sworn to under the penalty of perjury.

Printed Name: Katharina Schmitz

Signature:

Title: president

Company Name: Doppelmayr USA

Date: 5.19.22

STATE OF ~~WEST VIRGINIA~~, Utah

COUNTY OF Salt Lake, TO-WIT:

Taken, subscribed and sworn to before me this 19 day of May, 2022

By Commission expires 9-12-2025

(Seal)

(Notary Public)



West Virginia Ethics Commission



Disclosure of Interested Parties to Contracts

Pursuant to *W. Va. Code* § 6D-1-2, a state agency may not enter into a contract, or a series of related contracts, that has/have an actual or estimated value of \$1 million or more until the business entity submits to the contracting state agency a Disclosure of Interested Parties to the applicable contract. In addition, the business entity awarded a contract is obligated to submit a supplemental Disclosure of Interested Parties reflecting any new or differing interested parties to the contract within 30 days following the completion or termination of the applicable contract.

For purposes of complying with these requirements, the following definitions apply:

"Business entity" means any entity recognized by law through which business is conducted, including a sole proprietorship, partnership or corporation, but does not include publicly traded companies listed on a national or international stock exchange.

"Interested party" or "Interested parties" means:

- (1) A business entity performing work or service pursuant to, or in furtherance of, the applicable contract, including specifically sub-contractors; -
- (2) the person(s) who have an ownership interest equal to or greater than 25% in the business entity performing work or service pursuant to, or in furtherance of, the applicable contract. (This subdivision does not apply to a publicly traded company); and
- (3) the person or business entity, if any, that served as a compensated broker or intermediary to actively facilitate the applicable contract or negotiated the terms of the applicable contract with the state agency. (This subdivision does not apply to persons or business entities performing legal services related to the negotiation or drafting of the applicable contract.)

"State agency" means a board, commission, office, department or other agency in the executive, judicial or legislative branch of state government, including publicly funded institutions of higher education: Provided, that for purposes of *W. Va. Code* § 6D-1-2, the West Virginia Investment Management Board shall not be deemed a state agency nor subject to the requirements of that provision.

The contracting business entity must complete this form and submit it to the contracting state agency prior to contract award and to complete another form within 30 days of contract completion or termination.

This form was created by the State of West Virginia Ethics Commission, 210 Brooks Street, Suite 300, Charleston, WV 25301-1804. Telephone: (304)558-0664; fax: (304)558-2169; e-mail: ethics@wv.gov; website: www.ethics.wv.gov.

West Virginia Ethics Commission
Disclosure of Interested Parties to Contracts

(Required by W. Va. Code § 6D-1-2)

Name of Contracting Business Entity: Doppelmayer USA Address: 3160 West 500 St, Salt Lake City, UT 84104

Name of Authorized Agent: Katharina Schmitz Address: 3160 West 500 St Salt Lake City, UT 84104

Contract Number: CRFQ 0310 DNR2200000007 Contract Description: New Tramways

Governmental agency awarding contract: Division of Natural Resources

Check here if this is a Supplemental Disclosure

List the Names of Interested Parties to the contract which are known or reasonably anticipated by the contracting business entity for each category below (attach additional pages if necessary):

1. Subcontractors or other entities performing work or service under the Contract

Check here if none, otherwise list entity/individual names below.

2. Any person or entity who owns 25% or more of contracting entity (not applicable to publicly traded entities)

Check here if none, otherwise list entity/individual names below.

3. Any person or entity that facilitated, or negotiated the terms of, the applicable contract (excluding legal services related to the negotiation or drafting of the applicable contract)

Check here if none, otherwise list entity/individual names below.

Signature: Kel [Signature]

Date Signed: 5-19-22

Notary Verification

State of Utah County of Salt Lake

I, Katharina Schmitz, the authorized agent of the contracting business entity listed above, being duly sworn, acknowledge that the Disclosure herein is being made under oath and under the penalty of perjury.

Taken, sworn to and subscribed before me this 19 day of May 2022

[Signature]
Notary Public's Signature

To be completed by State Agency:

Date Received by State Agency: _____
Date submitted to Ethics Commission: _____
Governmental agency submitting Disclosure: _____



STATE OF WEST VIRGINIA

Purchasing Division

PURCHASING AFFIDAVIT

CONSTRUCTION CONTRACTS: Under W. Va. Code § 5-22-1(i), the contracting public entity shall not award a construction contract to any bidder that is known to be in default on any monetary obligation owed to the state or a political subdivision of the state, including, but not limited to, obligations related to payroll taxes, property taxes, sales and use taxes, fire service fees, or other fines or fees.

ALL CONTRACTS: Under W. Va. Code §5A-3-10a, no contract or renewal of any contract may be awarded by the state or any of its political subdivisions to any vendor or prospective vendor when the vendor or prospective vendor or a related party to the vendor or prospective vendor is a debtor and: (1) the debt owed is an amount greater than one thousand dollars in the aggregate; or (2) the debtor is in employer default.

EXCEPTION: The prohibition listed above does not apply where a vendor has contested any tax administered pursuant to chapter eleven of the W. Va. Code, workers' compensation premium, permit fee or environmental fee or assessment and the matter has not become final or where the vendor has entered into a payment plan or agreement and the vendor is not in default of any of the provisions of such plan or agreement.

DEFINITIONS:

"Debt" means any assessment, premium, penalty, fine, tax or other amount of money owed to the state or any of its political subdivisions because of a judgment, fine, permit violation, license assessment, defaulted workers' compensation premium, penalty or other assessment presently delinquent or due and required to be paid to the state or any of its political subdivisions, including any interest or additional penalties accrued thereon.

"Employer default" means having an outstanding balance or liability to the old fund or to the uninsured employers' fund or being in policy default, as defined in W. Va. Code § 23-2c-2, failure to maintain mandatory workers' compensation coverage, or failure to fully meet its obligations as a workers' compensation self-insured employer. An employer is not in employer default if it has entered into a repayment agreement with the Insurance Commissioner and remains in compliance with the obligations under the repayment agreement.

"Related party" means a party, whether an individual, corporation, partnership, association, limited liability company or any other form or business association or other entity whatsoever, related to any vendor by blood, marriage, ownership or contract through which the party has a relationship of ownership or other interest with the vendor so that the party will actually or by effect receive or control a portion of the benefit, profit or other consideration from performance of a vendor contract with the party receiving an amount that meets or exceeds five percent of the total contract amount.

AFFIRMATION: By signing this form, the vendor's authorized signer affirms and acknowledges under penalty of law for false swearing (W. Va. Code §61-5-3) that: (1) for construction contracts, the vendor is not in default on any monetary obligation owed to the state or a political subdivision of the state, and (2) for all other contracts, that neither vendor nor any related party owe a debt as defined above and that neither vendor nor any related party are in employer default as defined above, unless the debt or employer default is permitted under the exception above.

WITNESS THE FOLLOWING SIGNATURE:

Vendor's Name: Doppelmayr USA Inc.

Authorized Signature: [Signature] Date: 5-19-22

State of Utah

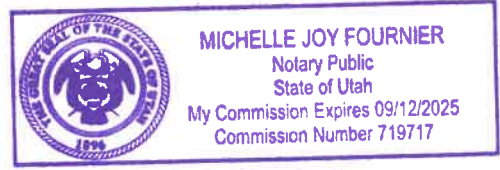
County of Salt Lake to-wit:

Taken, subscribed, and sworn to before me this 19 day of May 2022

My Commission expires 9-12 2025

AFFIX SEAL HERE

NOTARY PUBLIC [Signature]





CONTRACTOR LICENSE

AUTHORIZED BY THE
West Virginia Contractor
Licensing Board

NUMBER: **WV059615**

CLASSIFICATION:
GENERAL ENGINEERING

DOPPELMAYR USA INC
DBA DOPPELMAYR USA INC
3160 W 500 S
SALT LAKE CITY, UT 84104

DATE ISSUED
MARCH 30, 2022

EXPIRATION DATE
MARCH 30, 2023

Authorized Signature

Chair, West Virginia Contractor
Licensing Board



A copy of this license must be readily available for inspection by the Board on every job site where contracting work is being performed. This license number must appear in all advertisements, on all bid submissions, and on all fully executed and binding contracts. This license is non-transferable. This license is being issued under the provisions of West Virginia Code, Chapter 30, Article 42.

West Virginia Division of Natural Resources

Solicitation Number CRFQ 0310 DNR2200000007

Exceptions and Clarifications to Technical Specifications of Project Manual, Solicitation Document, and Drawings:

Project Manual Technical Section 1.3.B.1	Plans	Coordination of Doppelmayr plans will depend on the quality and completeness of the drawings of the existing buildings and other constructions provided by owner
Project Manual Technical Section 1.3.B.4	Shop drawings	Not all shop drawings will be supplied, only the ones that are considered necessary for adjustments, maintenance or operation. Some drawings are related to Intellectual property.
Project Manual Technical Section 1.3.E	Delegated design submittal	Regarding the owners engineer review for conformity, a maximum time frame needs to be established and considered in the process as this could cause delays. If awarded the contract this process must be defined.
Addendum #1 Clarification #1	Roads and Bridges	Seller takes exception to roads and bridges as their responsibility for ratings and safety of equipment hauling over them. The heaviest single piece of machinery for the Hawks Nest project is 34,200 pounds. The heaviest single piece of machinery for the Pipestem project 22,500 pounds. The tractor trailer will add approximately 35,000 pounds for total 69,200 lbs and 57,500 lbs respectively. If disassembly of equipment is required to reduce the weight of any delivery Seller will consider that a change of condition and additional costs may be claimed.
Solicitation Doc 19	Cancellation	Seller takes exception to the wording "cancel any purchase or contract" as contractual terms. Seller would request remedy for any purchases or expenditures made to date or prior to such cancellation
Solicitation Doc 36	Indemnification	Seller requests that the State of West Virginia consider Mutual Indemnification Clause, if permitted by law.

Solicitation Doc 41 and 42	Domestic Steel, Aluminum, and Glass	A significant portion of Structural Steel is provided from USA however certain components such as gondola cabins, drive machinery, gearboxes, grips, and haul ropes are from outside USA as they are not available from US suppliers and therefore Seller takes exception to Solicitation Document items 41 and 42 for such items.
Solicitation Doc Additional Terms and Conditions 5	Green Buildings Minimum Energy Standards	Seller takes exception to this clause in that the operator enclosures provided are not occupied spaces but do however meet the semi heated requirements from table 5.5-4 for Climate zone 4 from ICC
Solicitation Doc General Construction Specifications 10	Substantial and Final Completion	Seller takes exception to substantial completion by 60 days and final completion by 90 days in the calculation of liquidated damages. Seller understands that the contract is for 365 days and completion is contingent upon site access dates.
Project Manual	Standard Agreement and Supplemental Conditions to Standard Form	Seller has reviewed the project manual and certain aspects of the document will warrant further discussion and clarification upon award.
Drawings Hawks Nest and Pipestem	General notes 1 through 13	Seller takes exception to these general notes in the supplied drawings as they pertain to road and bridge building and are not relevant for ropeway construction. If any of the general notes do indeed pertain to ropeway construction Seller asks that those notes be pointed out.
Drawings Hawks Nest and Pipestem	General notes 14, 15, and erosion control notes	Seller will address erosion and sediment control as it pertains to the ropeway construction only.
Addendum #1 Clarification #8	Removal and site preparation	Seller assumes all removal of existing lift infrastructure and site preparation work is to be carried out by others
Addendum #2 Clarifications #39 and #46	Bike Racks	Seller assumes that no bike racks or bike handling equipment is to be supplied
Addendum #2 Clarification #23	Cover	Seller assumes no cover is required for return station machinery as this equipment is designed to operate outdoors and therefore no cover is to be supplied

l: 21.98 ft
 h: 1.87 ft
 ik: 22.06 ft
 n: 8.51 %

BEB

3R 401
 3R 401
 Bottom station
 MGF 450KN
 Drive movable
 Station level 853.44 ft
 853.45 853.45

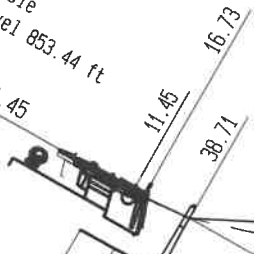
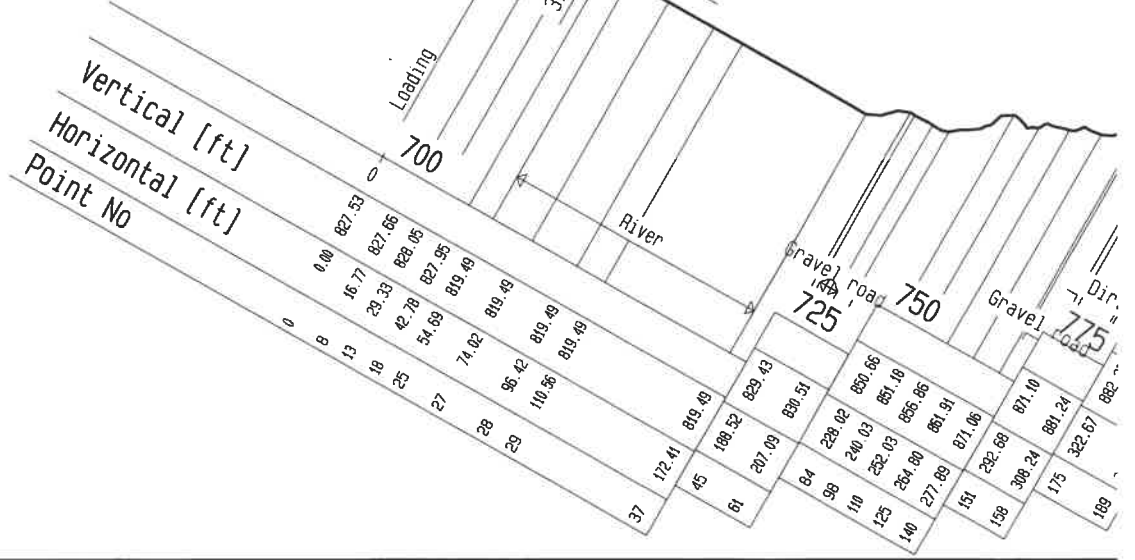
BB

4T/4N 401
 4T/4N 401

1

16N 420C
 16N 420C
 31.17 ft
 0°

Vertical [ft]
 Horizontal [ft]
 Point No





Profile

2x2x8-MGFJ Hawks Nest

Customer: Division of Natrural Resources

Location: West Virginia

Technical Data:

Uphill Side	Right	∅ Haul Rope	1.77 in
Drive Station	Bottom	Minimum Breaking Strength	289104 lb
Tension Station	Bottom	∅ Drive Bullwheel	15.75 ft
Return Station	Top	∅ Return Bullwheel	15.75 ft

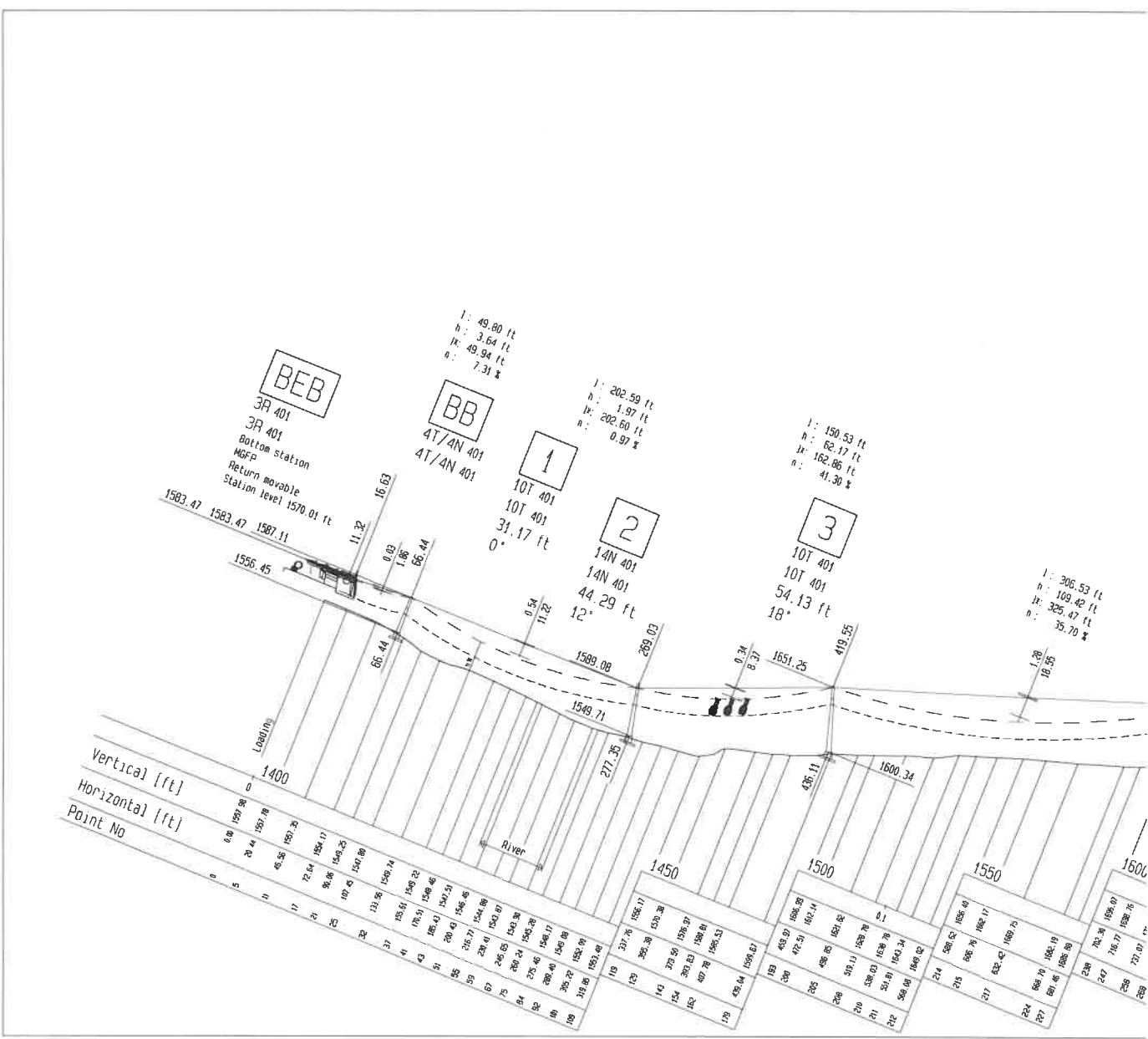
Horizontal Length	948.79 ft	Rope Gauge on Line	15.75 ft
Vertical Rise	456.00 ft	Drive Output Continuous	176 HP
Average Grade	48.06 %	Drive Output Starting	221 HP
Max. Rope Inclination	74.54 %	Elevation of Drive Station	853 ft
Inclined Length	1060.91 ft	Uphill Transportation	100 %
Spliced Rope Length	2318.41 ft	Downhill Transportation	100 %

	Initial	Final
Drive Speed	1000 fpm	1000 fpm
Capacity	240 pph	240 pph
Number of Carriers	4	4
Carrier Spacing	12.47 ft	12.47 ft
Carrier Interval	174.19 s	174.19 s
Trip Time	2.57 min	2.57 min

Revision	Date	Name
----------	------	------

	Drawn	2022-03-29	PM
	Scale	1"=80'	Project No.
	SAA0003381		Index
Drawing No.		SAA0003381rev4	

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BEB

3R 401
3R 401
Bottom Station
MSFP
Return movable
Station level 1570.01 ft

BB

4T/4N 401
4T/4N 401

1

10T 401
10T 401
31.17 ft
0°

2

14N 401
14N 401
44.29 ft
12°

3

10T 401
10T 401
54.13 ft
18°

1: 306.53 ft
n: 109.42 ft
k: 325.47 ft
n: 35.70 %

l: 49.60 ft
n: 3.64 ft
k: 49.94 ft
n: 7.31 %

l: 202.59 ft
n: 1.97 ft
k: 202.60 ft
n: 0.97 %

l: 150.53 ft
n: 62.17 ft
k: 162.86 ft
n: 41.30 %

1583.47 1583.47 1587.11

1556.45

Loading

1400

River

1450

1500

1550

1600

11.32

16.63

0.03

1.86

66.44

66.44

0.54

11.2

289.03

0.24

0.27

1651.25

419.95

1.28

11.35

66.44

66.44

0.54

11.2

289.03

0.24

0.27

1651.25

419.95

1.28

11.35

1583.47 1583.47 1587.11

1556.45

Loading

1400

River

1450

1500

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1600

11.32

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1651.25

419.95

1.28

11.35

1583.47 1583.47 1587.11

1556.45

Loading

1400

River

1450

1500

1550

1600

11.32

16.63

0.03

1.86

66.44

66.44

0.54

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289.03

0.24

0.27

1651.25

419.95

1.28

11.35

1583.47 1583.47 1587.11

1556.45

Loading

1400

River

1450

1500

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1600

11.32

16.63

0.03

1.86

66.44

66.44

0.54

11.2

289.03

0.24

0.27

1651.25

419.95

1.28

11.35

1583.47 1583.47 1587.11

1556.45

Loading

1400

River

1450

1500

1550

1600

11.32

16.63

0.03

1.86

66.44

66.44

0.54

11.2

289.03

0.24

0.27

1651.25

419.95

1.28

11.35

1583.47 1583.47 1587.11

1556.45

Loading

1400

River

1450

1500

1550

1600

11.32

16.63

0.03

1.86

66.44

66.44

0.54

11.2

289.03

0.24

0.27

1651.25

419.95

1.28

11.35

1583.47 1583.47 1587.11

1556.45

Loading

1400

River

1450

1500

1550

1600

11.32

16.63

0.03

1.86

66.44

66.44

0.54

11.2

289.03

0.24

0.27

1651.25

419.95

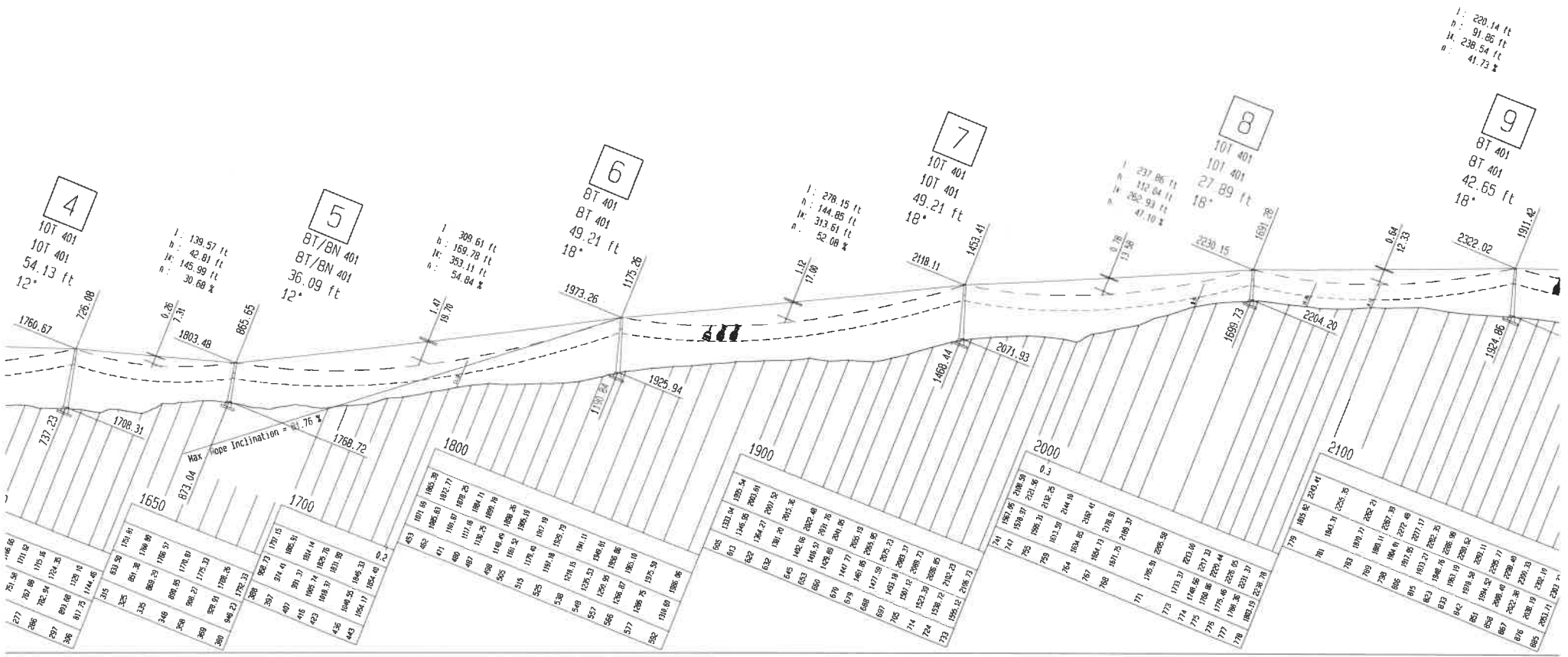
1.28

11.35

1583.47 1583.47 1587.11

1556.45

Loading



277	751.56	1711.62
288	767.88	1715.15
297	782.24	1724.25
306	801.68	1729.18
308	817.25	1744.46
315	833.58	1751.81
325	851.28	1768.89
335	869.29	1786.91
346	888.58	1798.81
358	908.27	1775.33
369	928.91	1788.28
380	948.27	1782.33
391	968.21	1791.15
402	987.41	1802.51
415	1005.24	1814.14
423	1018.37	1825.78
436	1048.55	1831.89
443	1064.17	1846.33
453	1079.48	1854.88
462	1092.61	1872.77
471	1101.87	1878.25
480	1117.16	1884.11
487	1130.25	1894.76
498	1148.49	1908.45
505	1161.25	1905.19
515	1178.48	1917.18
525	1192.18	1923.75
538	1218.15	1911.11
548	1235.53	1906.85
557	1250.95	1906.85
566	1268.87	1905.10
577	1288.75	1925.59
585	1318.88	1906.85

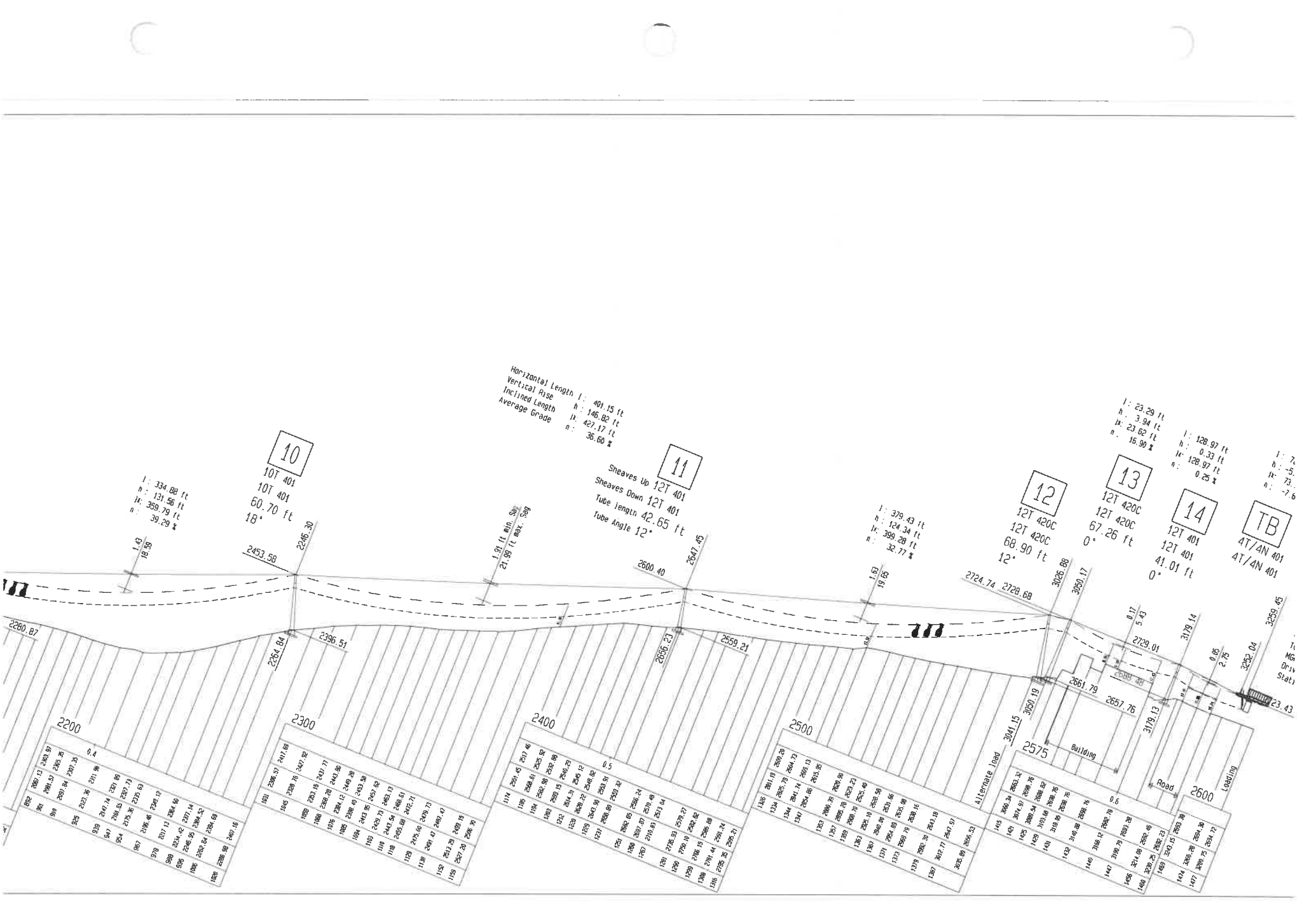
1550	1571.89	1863.39
1560	1585.61	1872.77
1570	1601.87	1878.25
1580	1617.16	1884.11
1590	1630.25	1894.76
1600	1648.49	1908.45
1610	1661.25	1905.19
1620	1678.48	1917.18
1630	1692.18	1923.75
1640	1718.15	1911.11
1650	1735.53	1906.85
1660	1750.95	1906.85
1670	1768.87	1905.10
1680	1788.75	1925.59
1690	1818.88	1906.85

1800	1823.04	1920.34
1810	1846.35	2001.61
1820	1864.27	2001.61
1830	1881.70	2015.35
1840	1902.16	2022.48
1850	1916.51	2031.76
1860	1938.68	2041.85
1870	1947.71	2055.15
1880	1961.85	2063.85
1890	1971.58	2075.23
1900	1983.18	2088.37
1910	1991.17	2088.37
1920	1923.39	2088.37
1930	1937.72	2102.23
1940	1955.12	2078.73

2000	2041.85	2108.58
2010	2058.87	2121.85
2020	2086.21	2132.75
2030	2093.58	2144.18
2040	2094.65	2102.41
2050	2054.71	2178.51
2060	2011.75	2188.37
2070	2085.98	2201.61
2080	2123.31	2213.08
2090	2148.58	2217.32
2100	2188.48	2209.44
2110	2188.48	2208.15
2120	2188.48	2201.31
2130	2188.48	2238.78

2100	2188.48	2238.78
2110	2188.48	2238.78
2120	2188.48	2238.78
2130	2188.48	2238.78
2140	2188.48	2238.78
2150	2188.48	2238.78
2160	2188.48	2238.78
2170	2188.48	2238.78
2180	2188.48	2238.78
2190	2188.48	2238.78
2200	2188.48	2238.78
2210	2188.48	2238.78
2220	2188.48	2238.78
2230	2188.48	2238.78
2240	2188.48	2238.78
2250	2188.48	2238.78
2260	2188.48	2238.78
2270	2188.48	2238.78
2280	2188.48	2238.78
2290	2188.48	2238.78
2300	2188.48	2238.78

2300	2188.48	2238.78
2310	2188.48	2238.78
2320	2188.48	2238.78
2330	2188.48	2238.78
2340	2188.48	2238.78
2350	2188.48	2238.78
2360	2188.48	2238.78
2370	2188.48	2238.78
2380	2188.48	2238.78
2390	2188.48	2238.78
2400	2188.48	2238.78
2410	2188.48	2238.78
2420	2188.48	2238.78
2430	2188.48	2238.78
2440	2188.48	2238.78
2450	2188.48	2238.78
2460	2188.48	2238.78
2470	2188.48	2238.78
2480	2188.48	2238.78
2490	2188.48	2238.78
2500	2188.48	2238.78



Horizontal Length l : 401.15 ft
 Vertical Rise h : 146.82 ft
 Inclined Length lk : 427.17 ft
 Average Grade n : 36.60 %

l : 334.88 ft
 h : 131.56 ft
 lk : 359.79 ft
 n : 39.29 %

10
 10T 401
 10T 401
 60.70 ft
 18°

11
 Sheaves Up 12T 401
 Sheaves Down 12T 401
 Tube Length 42.65 ft
 Tube Angle 12°

l : 379.43 ft
 h : 124.34 ft
 lk : 399.28 ft
 n : 32.77 %

12
 12T 420C
 12T 420C
 68.90 ft
 12°

13
 12T 420C
 12T 420C
 67.26 ft
 0°

14
 12T 401
 12T 401
 41.01 ft
 0°

TB
 4T/4N 401
 4T/4N 401

l : 23.29 ft
 h : 3.94 ft
 lk : 23.62 ft
 n : 16.90 %

l : 128.97 ft
 h : 0.33 ft
 lk : 128.97 ft
 n : 0.25 %

l : 74
 h : -5
 lk : 73
 n : -7.6

Section	Station	Station	Station	Station	Station
2200	892	2097.12	2103.97		
	901	2091.57	2108.28		0.4
	910	2080.84	2107.35		
	925	2123.35	2111.88		
	939	2147.14	2120.80		
	947	2168.05	2127.73		
	954	2175.38	2133.63		
	967	2196.46	2140.12		
	978	2217.11	2148.56		
	989	2234.42	2157.14		
2300	995	2246.25	2164.12		
	1001	2262.64	2170.69		
	1009	2288.98	2177.15		
	1014	2306.37	2171.68		
	1045	2328.78	2187.32		
	1059	2351.19	2197.71		
	1068	2358.28	2194.88		
	1076	2364.12	2199.38		
	1085	2338.40	2193.38		
	1094	2413.85	2197.89		
2400	1103	2429.70	2193.13		
	1110	2443.54	2198.01		
	1118	2455.88	2192.71		
	1128	2475.50	2199.73		
	1138	2491.47	2199.43		
	1153	2512.28	2199.15		
	1169	2537.28	2206.31		
	1174	2501.45	2207.46		
	1185	2508.61	2203.82		
	1192	2502.98	2207.88		
2500	1203	2509.15	2210.23		
	1212	2514.31	2206.12		
	1220	2528.22	2208.88		
	1227	2530.89	2203.91		
	1231	2539.89	2209.82		
	1241	2552.85	2206.24		
	1250	2557.87	2201.48		
	1267	2570.87	2201.84		
	1281	2578.93	2209.27		
	1289	2585.10	2208.82		
2600	1296	2588.14	2206.88		
	1306	2591.44	2201.24		
	1316	2593.35	2208.21		
	1321	2582.85	2206.24		
	1328	2597.87	2201.48		
	1337	2570.87	2201.84		
	1350	2584.89	2203.95		
	1371	2594.89	2201.85		
	1377	2588.78	2208.15		
	1378	2582.39	2203.18		
2600	1387	2612.17	2247.53		
	1395	2625.88	2255.33		
	1405	2606.24	2261.11		
	1421	2616.97	2258.76		
	1429	2608.54	2258.82		
	1439	2618.88	2258.76		
	1441	2618.88	2258.76		
	1452	2618.88	2258.76		
	1461	2618.88	2258.76		
	1468	2618.88	2258.76		

T
 MG
 Oris
 Stat)

Profile Pipestem 4x3x8-MGFP

Division of Natural Resources
West Virginia

Technical Data

Direction of rotation		Counter-clockwise
Uphill Side		Right
Drive Station		Top
Tension Station		Bottom
Return Station		Bottom
Horizontal Length		3248.13 ft
Vertical Rise		1139.96 ft
Average Grade		35.10 %
Max. Rope Inclination		81.76 %
Inclined Length		3479.73 ft
Transportation Length		3479.72 ft
Spliced Rope Length		7108.47 ft
Ø Haul Rope		1.77 in
Ø Drive Bullwheel		15.75 ft
Ø Return Bullwheel		15.75 ft
Rope Gauge on Line		15.75 ft
Drive Output Continuous		336 HP
Drive Output Starting		471 HP
Drive Output Braking		-304 HP
Elevation of Drive Station		2723 ft
Uphill Transportation		100 %
Downhill Transportation		100 %
	Initial	Final
Drive Speed	1000	1000 fpm
Capacity	400	400 pph
Number of Carriers	12	12
Carrier Spacing	12.47	12.47 ft
Carrier Interval	196.19	196.19 s
Trip Time	6.54	6.54 min

2.90 ft
58 ft
11 ft
35 %

TEB
3R 401
3R 401
sp station
cp
re fixed
on level 2709.97 ft
2723.43

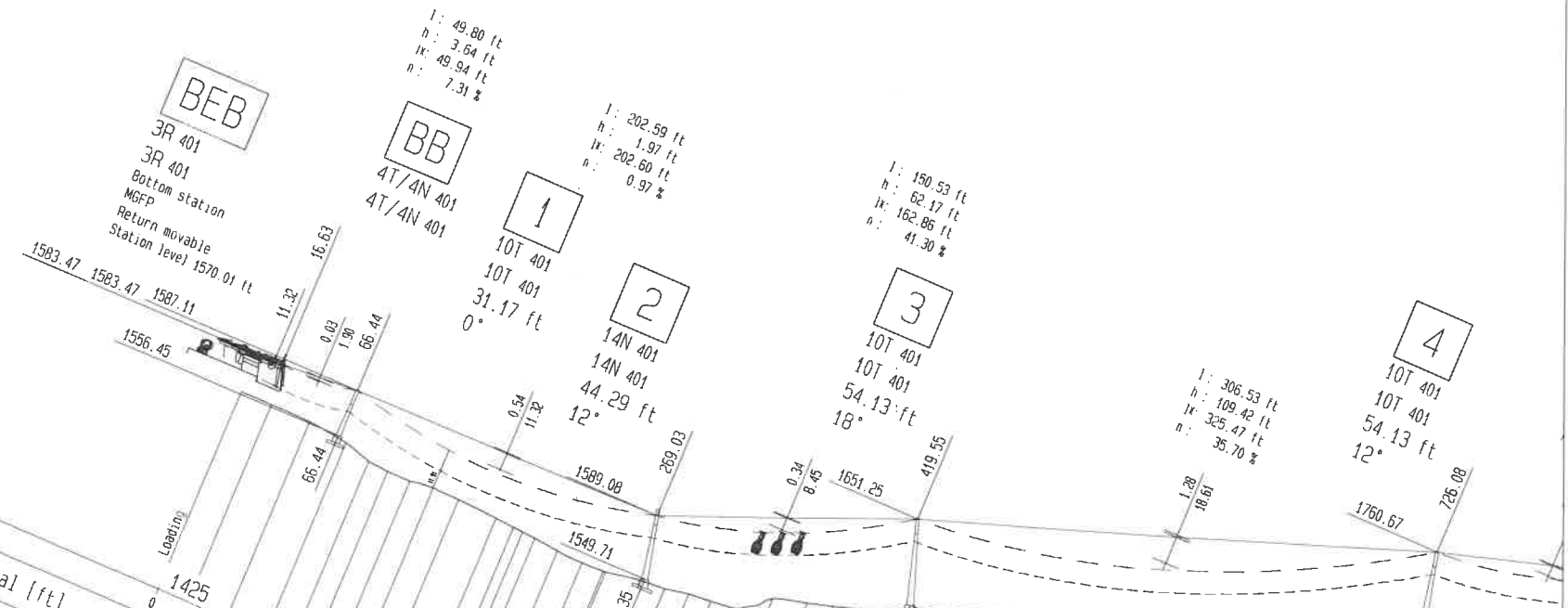
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Profile file: Pipestem terrain rev1.gel
Ropeway file: SAA Pipestem longrev1 bottom tension.mgf
Program: Seiba 1.66.3 CIN:1649776029

Date: 2022-04-7 Name: PN
Scale: 1"=80' Project No.: SAAC00NFPN
Drawing No.: Pipestem rev1

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It must not be copied nor utilized in whole or in part without permission and is subject to return upon request.

Vertical [ft]
Horizontal [ft]
Point No

Point No	Vertical [ft]	Horizontal [ft]
0	1557.96	0.00
5	1557.78	20.44
11	1557.38	46.56
17	1554.70	72.67
21	1549.28	99.09
24	1549.00	109.51
28	1547.87	118.64
32	1546.71	131.89
36	1543.44	151.02
42	1540.17	177.13
46	1547.18	189.40
53	1546.16	204.17
55	1544.35	220.31
62	1543.00	237.27
71	1544.29	252.89
84	1546.13	273.95
93	1548.28	290.96
101	1553.27	306.27
110	1553.48	320.83
120	1556.27	338.76
130	1570.54	355.88
142	1576.25	376.50
151	1580.65	392.19
159	1593.27	407.12
178	1590.51	433.27
189	1598.70	453.71
199	1605.42	482.12
209	1621.30	495.97
203	1629.14	519.88
205	1639.27	538.81
206	1642.28	530.02
209	1654.46	582.39
210	1667.81	606.68
213	1670.31	633.86
217	1680.55	662.42
220	1686.83	672.35
227	1695.21	698.49
236	1697.84	712.36
243	1703.78	726.36
257	1712.16	761.87
256	1715.32	712.16
274	1724.39	779.78
286	1727.73	800.66
297	1736.11	818.65
305	1732.86	831.36
315	1732.86	846.41
324	1732.86	864.69
327	1732.86	884.69



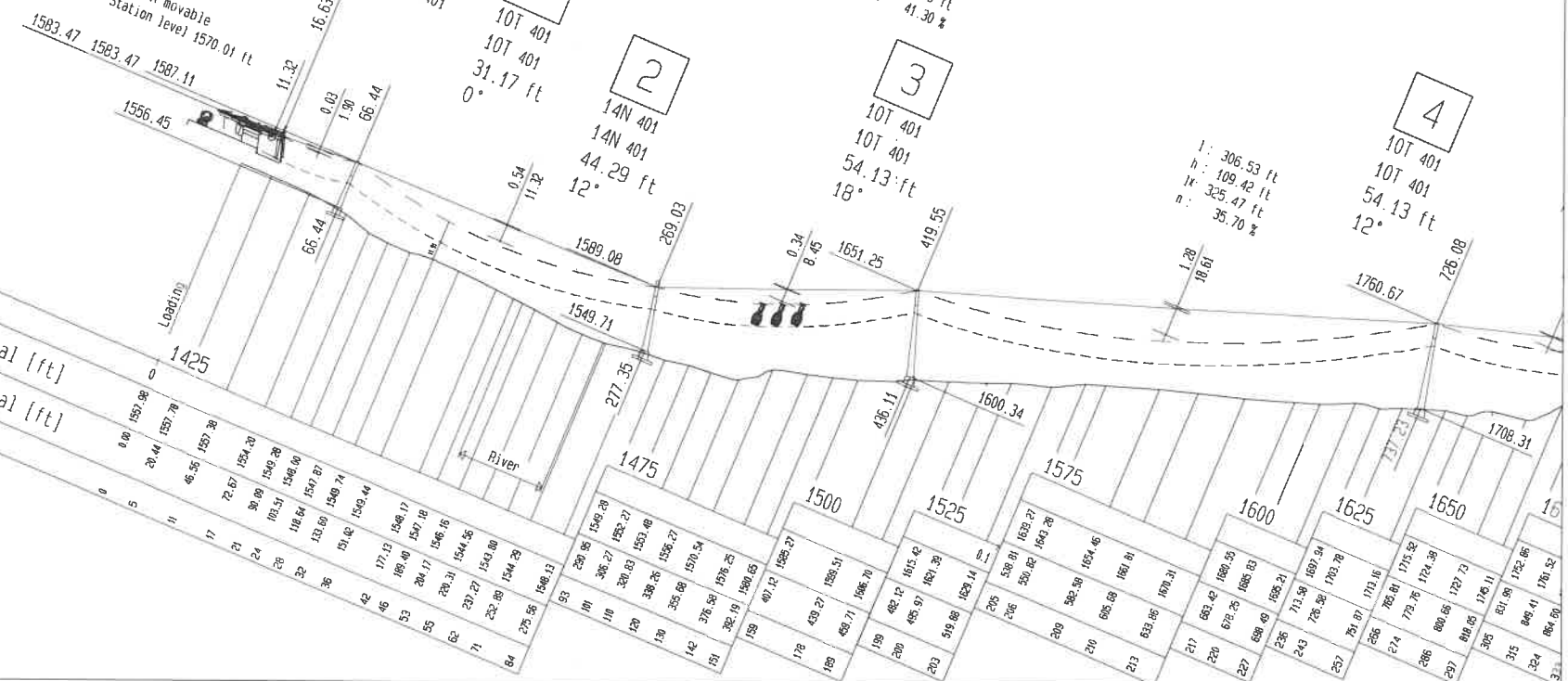
1583.47 1583.47 1587.11
1556.45

l: 49.80 ft
h: 3.64 ft
k: 49.94 ft
n: 7.31 %

l: 202.99 ft
h: 1.97 ft
k: 202.60 ft
n: 0.97 %

l: 150.53 ft
h: 62.17 ft
k: 162.86 ft
n: 41.30 %

l: 306.53 ft
h: 109.42 ft
k: 325.47 ft
n: 35.70 %



l: 139.57 ft
h: 42.81 ft
w: 145.99 ft
r: 30.68 %

5
BT/BN 401
BT/BN 401
36.09 ft
12°

l: 309.61 ft
h: 199.78 ft
w: 353.11 ft
r: 54.84 %

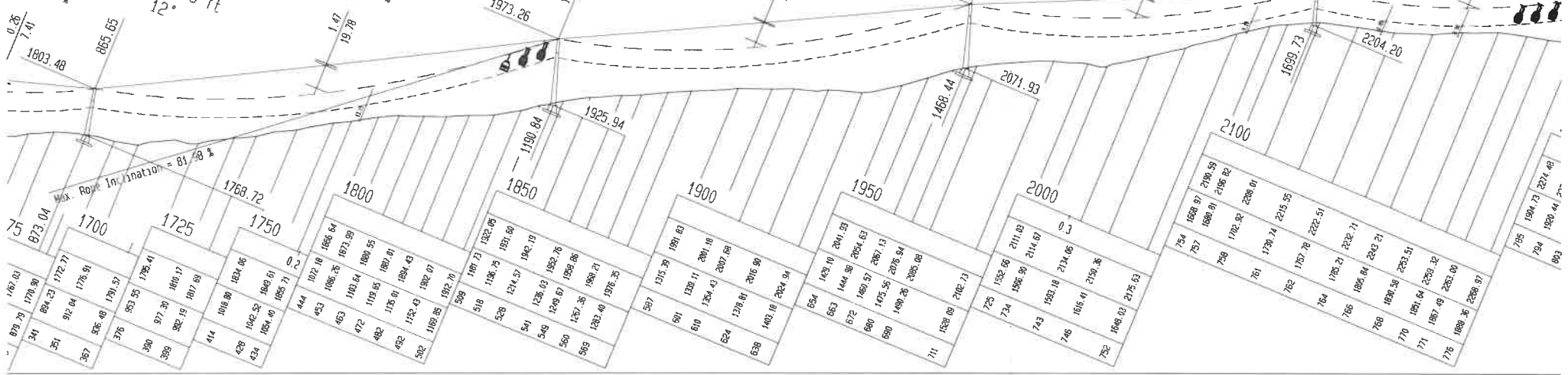
6
BT 401
BT 401
49.21 ft
18°

l: 278.15 ft
h: 144.85 ft
w: 313.61 ft
r: 52.08 %

7
10T 401
10T 401
49.21 ft
18°

l: 237.86 ft
h: 112.04 ft
w: 262.93 ft
r: 47.10 %

8
10T 401
10T 401
27.89 ft
18°



l: 220.14 ft
 h: 91.86 ft
 i: 238.54 ft
 n: 41.73 %

9
 8T 401
 8T 401
 42.65 ft
 18°

810	1936.09	2384.94
811	1940.94	2387.28
827	1975.94	2382.26
835	1991.00	2384.85
844	1991.00	2387.28
853	2005.74	2380.00
853	2021.28	2382.76
853	2037.11	2384.73
870	2050.92	2380.61
873	2064.95	2386.17
888	2080.39	2387.05
898	2086.30	2388.58
905	2110.24	2388.58
914	2124.18	2381.45
923	2138.99	2382.83
932	2153.99	2382.74
939	2169.30	2385.86
948	2182.72	2383.44
957	2197.31	2381.61
968	2211.00	2382.29
977	2222.16	2387.72
984	2246.21	2378.25
984	2246.21	2387.24
997	2266.97	2400.92
1006	2280.91	2400.07
1016	2298.33	2417.92
1023	2311.91	2423.82
1026	2323.14	2433.86
1045	2347.88	2440.03
1064	2383.36	2447.18
1082	2377.17	2461.84
1092	2392.36	2466.73
1093	2405.92	2469.27
1088	2420.21	2464.44
1097	2436.49	2469.39
1106	2451.38	2475.17
1113	2464.60	2478.84
1121	2478.43	2484.06
1138	2503.81	2495.14
1146	2519.53	2502.89
1154	2533.21	2510.11
1161	2548.58	2516.34
1178	2583.05	2522.04
1178	2578.23	2530.78
1195	2604.86	2541.31
1204	2620.71	2545.97
1213	2638.19	2550.33
1222	2650.37	2555.39
1230	2666.67	2561.06
1239	2681.47	2565.28
1248	2697.84	2570.44
1257	2712.63	2574.92
1271	2737.21	2580.04
1278	2751.67	2585.04
1287	2765.05	2589.80
1286	2780.88	2594.23
1305	2796.47	2598.95
1312	2814.11	2602.96
1321	2824.28	2607.42
1332	2849.46	2617.25
1336	2864.63	2621.46
1342	2881.57	2625.95
1346	2895.29	2628.51
1350	2914.12	2631.88
1354	2938.95	2637.73
1366	2957.75	2636.91
1380	2988.57	2638.83
1384	2983.40	2643.05
1388	3006.44	2646.17
1373	3022.87	2652.37
1377	3028.88	2656.77

l: 334.88 ft
 h: 131.56 ft
 i: 359.79 ft
 n: 39.29 %

10
 10T 401
 10T 401
 60.70 ft
 18°

923	2138.99	2382.74
932	2153.99	2382.86
939	2169.30	2385.86
948	2182.72	2383.44
957	2197.31	2381.61
968	2211.00	2382.29
977	2222.16	2387.72
984	2246.21	2378.25
984	2246.21	2387.24
997	2266.97	2400.92
1006	2280.91	2400.07
1016	2298.33	2417.92
1023	2311.91	2423.82
1026	2323.14	2433.86
1045	2347.88	2440.03
1064	2383.36	2447.18
1082	2377.17	2461.84
1092	2392.36	2466.73
1093	2405.92	2469.27
1088	2420.21	2464.44
1097	2436.49	2469.39
1106	2451.38	2475.17
1113	2464.60	2478.84
1121	2478.43	2484.06
1138	2503.81	2495.14
1146	2519.53	2502.89
1154	2533.21	2510.11
1161	2548.58	2516.34
1178	2583.05	2522.04
1178	2578.23	2530.78
1195	2604.86	2541.31
1204	2620.71	2545.97
1213	2638.19	2550.33
1222	2650.37	2555.39
1230	2666.67	2561.06
1239	2681.47	2565.28
1248	2697.84	2570.44
1257	2712.63	2574.92
1271	2737.21	2580.04
1278	2751.67	2585.04
1287	2765.05	2589.80
1286	2780.88	2594.23
1305	2796.47	2598.95
1312	2814.11	2602.96
1321	2824.28	2607.42
1332	2849.46	2617.25
1336	2864.63	2621.46
1342	2881.57	2625.95
1346	2895.29	2628.51
1350	2914.12	2631.88
1354	2938.95	2637.73
1366	2957.75	2636.91
1380	2988.57	2638.83
1384	2983.40	2643.05
1388	3006.44	2646.17
1373	3022.87	2652.37
1377	3028.88	2656.77

Horizontal Length l: 401.15 ft
 Vertical Rise h: 146.82 ft
 Inclined Length i: 427.17 ft
 Average Grade n: 36.60 %

11
 Sheaves Up 12T 401
 Sheaves Down 12T 401
 Tube Length 42.65 ft
 Tube Angle 12°

1023	2311.91	2423.82
1026	2323.14	2433.86
1045	2347.88	2440.03
1064	2383.36	2447.18
1082	2377.17	2461.84
1092	2392.36	2466.73
1093	2405.92	2469.27
1088	2420.21	2464.44
1097	2436.49	2469.39
1106	2451.38	2475.17
1113	2464.60	2478.84
1121	2478.43	2484.06
1138	2503.81	2495.14
1146	2519.53	2502.89
1154	2533.21	2510.11
1161	2548.58	2516.34
1178	2583.05	2522.04
1178	2578.23	2530.78
1195	2604.86	2541.31
1204	2620.71	2545.97
1213	2638.19	2550.33
1222	2650.37	2555.39
1230	2666.67	2561.06
1239	2681.47	2565.28
1248	2697.84	2570.44
1257	2712.63	2574.92
1271	2737.21	2580.04
1278	2751.67	2585.04
1287	2765.05	2589.80
1286	2780.88	2594.23
1305	2796.47	2598.95
1312	2814.11	2602.96
1321	2824.28	2607.42
1332	2849.46	2617.25
1336	2864.63	2621.46
1342	2881.57	2625.95
1346	2895.29	2628.51
1350	2914.12	2631.88
1354	2938.95	2637.73
1366	2957.75	2636.91
1380	2988.57	2638.83
1384	2983.40	2643.05
1388	3006.44	2646.17
1373	3022.87	2652.37
1377	3028.88	2656.77

l: 305.32 ft
 h: 84.78 ft
 i: 316.87 ft
 n: 27.77 %

12
 12T 420C
 12T 420C
 45.93 ft
 12°

1204	2620.71	2545.97
1213	2638.19	2550.33
1222	2650.37	2555.39
1230	2666.67	2561.06
1239	2681.47	2565.28
1248	2697.84	2570.44
1257	2712.63	2574.92
1271	2737.21	2580.04
1278	2751.67	2585.04
1287	2765.05	2589.80
1286	2780.88	2594.23
1305	2796.47	2598.95
1312	2814.11	2602.96
1321	2824.28	2607.42
1332	2849.46	2617.25
1336	2864.63	2621.46
1342	2881.57	2625.95
1346	2895.29	2628.51
1350	2914.12	2631.88
1354	2938.95	2637.73
1366	2957.75	2636.91
1380	2988.57	2638.83
1384	2983.40	2643.05
1388	3006.44	2646.17
1373	3022.87	2652.37
1377	3028.88	2656.77

1
 12T 420
 12T 420C
 44.29 ft
 6°

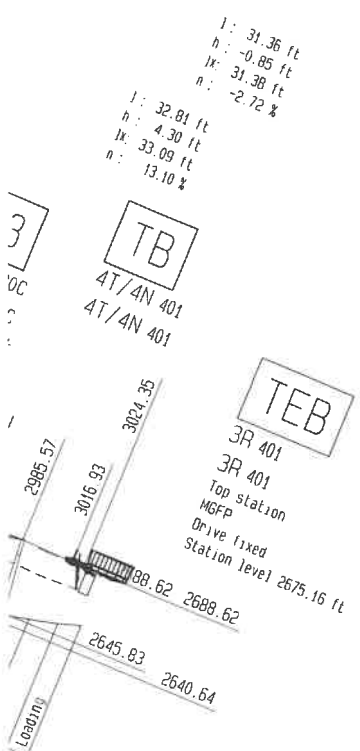
1204	2620.71	2545.97
1213	2638.19	2550.33
1222	2650.37	2555.39
1230	2666.67	2561.06
1239	2681.47	2565.28
1248	2697.84	2570.44
1257	2712.63	2574.92
1271	2737.21	2580.04
1278	2751.67	2585.04
1287	2765.05	2589.80
1286	2780.88	2594.23
1305	2796.47	2598.95
1312	2814.11	2602.96
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1342	2881.57	2625.95
1346	2895.29	2628.51
1350	2914.12	2631.88
1354	2938.95	2637.73
1366	2957.75	2636.91
1380	2988.57	2638.83
1384	2983.40	2643.05
1388	3006.44	2646.17
1373	3022.87	2652.37
1377	3028.88	2656.77

Profile Pipestem 4x3x8-MGFP

Division of Natural Resources
West Virginia

Technical Data

Direction of rotation	Counter-clockwise	
Uphill Side	Right	
Drive Station	Top	
Tension Station	Bottom	
Return Station	Bottom	
Horizontal Length	3013.02 ft	
Vertical Rise	1105.15 ft	
Average Grade	36.68 %	
Max. Rope Inclination	81.98 %	
Inclined Length	3236.07 ft	
Transportation Length	3236.06 ft	
Spliced Rope Length	6621.15 ft	
Ø Haul Rope	1.77 in	
Ø Drive Bullwheel	15.75 ft	
Ø Return Bullwheel	15.75 ft	
Rope Gauge on Line	15.75 ft	
Drive Output Continuous	339 HP	
Drive Output Starting	489 HP	
Drive Output Braking	-343 HP	
Elevation of Drive Station	2689 ft	
Uphill Transportation	100 %	
Downhill Transportation	100 %	
	Initial	Final
Drive Speed	1000	1000 fpm
Capacity	400	400 pph
Number of Carriers	12	12
Carrier Spacing	12.47	12.47 ft
Carrier Interval	188.88	188.88 s
Trip Time	6.30	6.30 min



Profile origin:
Profile file: Pipestem terrain alternate rev1.gel
Ropeway file: SAA Pipestem short rev1 bottom tension.mgf
Program: Seiba 1.68.3 CIN:164976015

Date: 2022-04-7
Name: PM
Scale: 1"=80'
Project No.: SAA000NFPN
Drawing No.:
Pipestem rev1

West Virginia Division of Natural Resources

Solicitation Number CRFQ 0310 DNR220000007

Exceptions and Clarifications to Technical Specifications of Project Manual, Solicitation Document, and Drawings:

Project Manual Technical Section 1.3.B.1	Plans	Coordination of Doppelmayr plans will depend on the quality and completeness of the drawings of the existing buildings and other constructions provided by owner
Project Manual Technical Section 1.3.B.4	Shop drawings	Not all shop drawings will be supplied, only the ones that are considered necessary for adjustments, maintenance or operation. Some drawings are related to Intellectual property.
Project Manual Technical Section 1.3.E	Delegated design submittal	Regarding the owners engineer review for conformity, a maximum time frame needs to be established and considered in the process as this could cause delays. If awarded the contract this process must be defined.
Addendum #1 Clarification #1	Roads and Bridges	Seller takes exception to roads and bridges as their responsibility for ratings and safety of equipment hauling over them. The heaviest single piece of machinery for the Hawks Nest project is 34,200 pounds. The heaviest single piece of machinery for the Pipestem project 22,500 pounds. The tractor trailer will add approximately 35,000 pounds for total 69,200 lbs and 57,500 lbs respectively. If disassembly of equipment is required to reduce the weight of any delivery Seller will consider that a change of condition and additional costs may be claimed.
Solicitation Doc 19	Cancellation	Seller takes exception to the wording "cancel any purchase or contract" as contractual terms. Seller would request remedy for any purchases or expenditures made to date or prior to such cancellation
Solicitation Doc 36	Indemnification	Seller requests that the State of West Virginia consider Mutual Indemnification Clause, if permitted by law.

Solicitation Doc 41 and 42	Domestic Steel, Aluminum, and Glass	A significant portion of Structural Steel is provided from USA however certain components such as gondola cabins, drive machinery, gearboxes, grips, and haul ropes are from outside USA as they are not available from US suppliers and therefore Seller takes exception to Solicitation Document items 41 and 42 for such items.
Solicitation Doc Additional Terms and Conditions 5	Green Buildings Minimum Energy Standards	Seller takes exception to this clause in that the operator enclosures provided are not occupied spaces but do however meet the semi heated requirements from table 5.5-4 for Climate zone 4 from ICC
Solicitation Doc General Construction Specifications 10	Substantial and Final Completion	Seller takes exception to substantial completion by 60 days and final completion by 90 days in the calculation of liquidated damages. Seller understands that the contract is for 365 days and completion is contingent upon site access dates.
Project Manual	Standard Agreement and Supplemental Conditions to Standard Form	Seller has reviewed the project manual and certain aspects of the document will warrant further discussion and clarification upon award.
Drawings Hawks Nest and Pipestem	General notes 1 through 13	Seller takes exception to these general notes in the supplied drawings as they pertain to road and bridge building and are not relevant for ropeway construction. If any of the general notes do indeed pertain to ropeway construction Seller asks that those notes be pointed out.
Drawings Hawks Nest and Pipestem	General notes 14, 15, and erosion control notes	Seller will address erosion and sediment control as it pertains to the ropeway construction only.
Addendum #1 Clarification #8	Removal and site preparation	Seller assumes all removal of existing lift infrastructure and site preparation work is to be carried out by others
Addendum #2 Clarifications #39 and #46	Bike Racks	Seller assumes that no bike racks or bike handling equipment is to be supplied
Addendum #2 Clarification #23	Cover	Seller assumes no cover is required for return station machinery as this equipment is designed to operate outdoors and therefore no cover is to be supplied