

Welcome to tonight's City Council meeting!

The elected officials of the City of Bonners Ferry are appreciative of an involved constituency. Testimony from the public is encouraged concerning issues when addressed under the Public Hearing portion of the agenda. Any individual who wishes may address the council on any issue, whether on the agenda or not, during the Public Comments period. Normal business will preclude public participation during the business portion of the meeting with the discretion left to the Mayor and Council.

Vision Statement

Bonners Ferry, "The Friendliest City", strives to achieve balanced growth, builds on community strengths, respects natural resources, promotes excellence in Government, and values quality of life.

AGENDA
CITY COUNCIL MEETING
Bonners Ferry City Hall
7232 Main Street
267-3105
January 21, 2014
6:00 p.m. Sewer System Workshop
7:00 p.m. Regular Meeting

PLEDGE OF ALLEGIANCE

PUBLIC HEARING

PUBLIC COMMENTS

Each speaker will be allowed a maximum of five minutes, unless repeat testimony is requested by the Mayor/Council

GUESTS

Lisa Ailport and Darius Ruen from Ruen Yeager – Planning and Zoning

REPORTS

Police/Fire/City Administrator/Economic Development Coordinator/Urban Renewal District

CONSENT AGENDA

1. Call to Order/Roll Call
2. Approval of Bills and Payroll
3. Treasurer's Report

OLD BUSINESS

NEW BUSINESS

4. Water/Sewer – Accept John Griffin's Retirement (attachment)
5. Water/Sewer – Discuss SCADA System Upgrade Request (attachment)
6. City – Authorize Mayor to Sign Contract with Northwest Elevator for Elevator Repair (attachment)
7. City – Consider Canceling Elevator Inspection Contract with Otis and Requesting Proposals for Annual Elevator Inspections (attachment)
8. Electric – Approval to Purchase Debris Barriers for Moyie Reservoir (attachment)
9. City – Approve Purchase of Computer Server (attachment)

10. Golf – Approval to Rebuild Golf Course Irrigation Pump and Motor (attachment)
11. Water – Consider Task Order for Welch Comer for Design of Gem Street and Bonner Street (attachment)
12. City – Discuss Purchase of Flooring for City Hall Main Floor (attachment)
13. Golf – Approve Mayor's Recommendation to Reappoint Brion Poston and Dick Staples to the Golf Committee

EXECUTIVE SESSION PURSUANT TO IDAHO CODE 67-2345, SUBSECTION 1

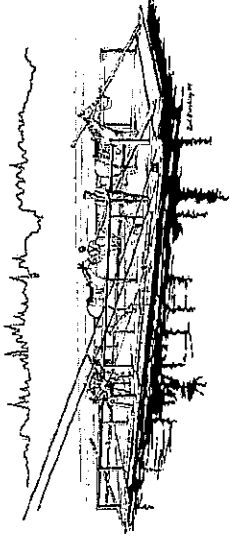
- (a) Consider hiring a public officer, employee, staff member or individual agent.
- (b) Consider the evaluation, dismissal or disciplining of, or to hear complaints or charges brought against, a public officer, employee, staff member or individual agent, or public school student.
- (c) Conduct deliberations concerning labor negotiations or to acquire an interest in real property which is not owned by a public agency.
- (d) Consider records that are exempt from disclosure as provided in chapter 3, title 9, Idaho Code.
- (e) Consider preliminary negotiations involving matters of trade or commerce in which the governing body is in competition with governing bodies in other states or nations.
- (f) Communicate with legal counsel for the public agency to discuss the legal ramifications of and legal options for pending litigation, or controversies not yet being litigated but imminently likely to be litigated.
- (g) Engage in communications with a representative of the public agency's risk manager or insurance provider to discuss the adjustment of a pending claim or prevention of a claim imminently likely to be filed.

ADJOURNMENT

NEXT MEETING DATE

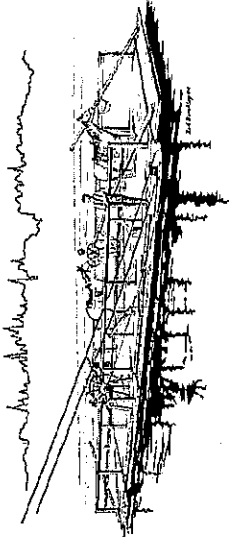
INFORMATION

14. Electric – City of Bonners Ferry Customer System Peak Data FY2009-FY2013 (attachment)
15. City – City Official's Day at the Capitol (attachment)



2014 COUNCIL PRESENTATION
SEWER MASTER PLAN
IMPLEMENTATION PROPOSAL

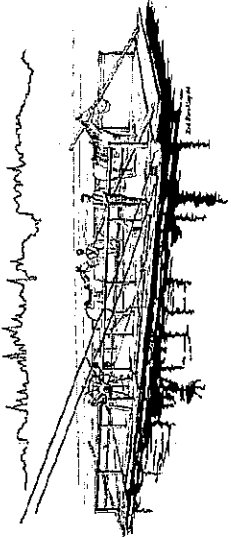
- Goals
 - Review Sewer Master Plan Recommendations
 - Discuss Priorities
 - Discuss Funding Options and Recommendations



2014 COUNCIL PRESENTATION
SEWER MASTER PLAN
IMPLEMENTATION PROPOSAL

• **What do we have and what is it worth?**

- 7.44 million gallons of treatment - \$1,100,000
- 8 lift stations - \$3,100,000
- Suspension bridge - \$4,500,000
- 476 manholes - \$1,200,000
- 122,000 feet of gravity line - \$10,300,000
- 17,000 feet of force main - \$600,000
- Equipment - \$500,000
- **Total = \$21,300,000 replacement cost**

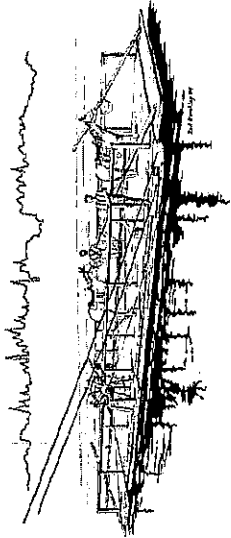


2014 COUNCIL PRESENTATION
SEWER MASTER PLAN
IMPLEMENTATION PROPOSAL

• Sewer Master Plan Recommendations – Treatment

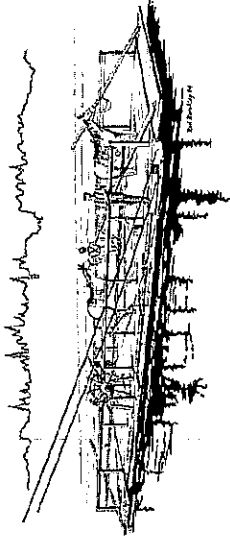
- Rotating Belt Filter “Headworks Room” \$730,000
- Membrane Microfiltration \$1,560,000
- Lagoon Bypass \$230,000
- Bridge Force Main \$330,000
- Buffer Zone \$50,000
- Security Fencing \$100,000

Total = \$3,000,000



2014 COUNCIL PRESENTATION
SEWER MASTER PLAN
IMPLEMENTATION PROPOSAL

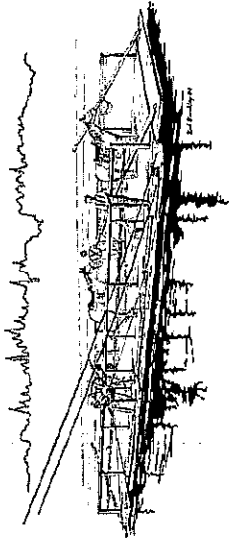
- Sewer Master Plan Recommendations – Collections
 - Manhole A10 to A12 \$104,400
 - Manhole A14 to A16 \$166,900
 - Manhole A18 to A20 \$35,100
 - Manhole A21 to A23 \$48,000
 - Manhole E7 to E9 \$114,100
 - Manhole E12 to E14 \$110,800
 - Total = \$579,300**



2014 COUNCIL PRESENTATION
SEWER MASTER PLAN
IMPLEMENTATION PROPOSAL

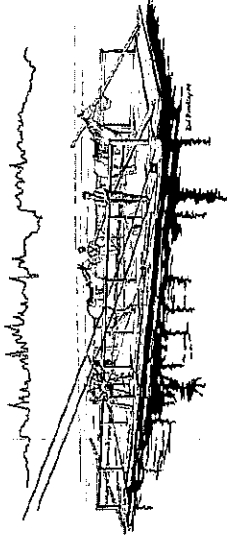
• Sewer Master Plan Recommendations – Lift Stations

- Lift Station 5	\$840,000
- Lift Station 1	\$300,000
- Lift Station 2	\$380,000
- Lift Station 3	\$300,000
- Lift Station 4	\$320,000
- Lift Station 6	\$300,000
- Lift Station 8	\$300,000
- Lift Station 8	\$300,000
- Portable Generator	40,000
Total =	\$3,080,000



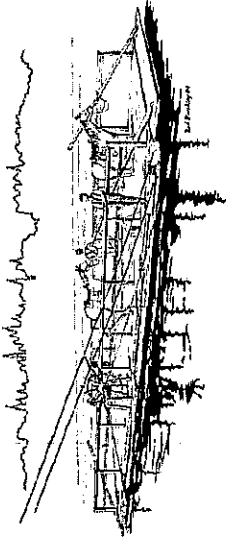
2014 COUNCIL PRESENTATION SEWER MASTER PLAN IMPLEMENTATION PROPOSAL

- **Top Three Priorities**
 1. **Sewer Bridge**
 - The current pipe presents a significant risk due to its age and consequence of failure
 2. **Headworks Room**
 - This will allow removal of a significant portion of the inorganic solids before the lagoons
 - It will reduce the operating cost of our facility
 - It will improve the capacity of our facility
 - It will improve the quality of the biosolids & reduce biosolids removal difficulties
 3. **Effluent Treatment**
 - This will remove the need to remove the algae in the effluent that is generated in the ponds
 - Currently the expense for algae control in the lagoons is around \$50,000 – 60,000
 - Will reduce the chances of violating the Discharge Permit TSS limits



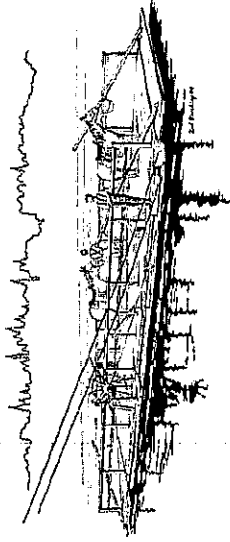
2014 COUNCIL PRESENTATION SEWER MASTER PLAN IMPLEMENTATION PROPOSAL

- Other High Priorities
 - Lift Station SCADA Communication
 - This is a discrete component of the lift station upgrades identified in the master plan
 - Collection System Line Replacements
 - Lines identified by the master plan will quickly become critical if we see system growth
 - Degraded lines are driven by camera surveys



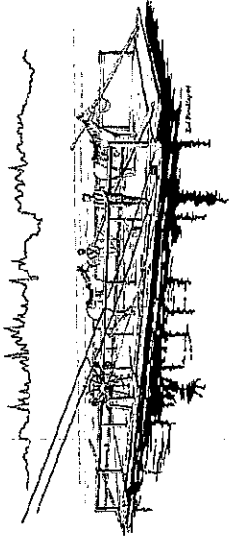
2014 COUNCIL PRESENTATION SEWER MASTER PLAN IMPLEMENTATION PROPOSAL

- Discuss Funding Options
 - Bond for all of the short term items
 - Approximately \$8 Million or \$400,000 per year for 30 years
 - Future users of the system pay for the future benefits of today's investment
 - Revenue Finance
 - Increase rates so that projects are done when adequate cash reserves are accumulated
 - Provides for a debt free system
- Combination of Bonding and Revenue Financing
 - This is our proposal
 - We would recommend considering the treatment related components for Bonding
 - The Collection system and lift stations for revenue financing.



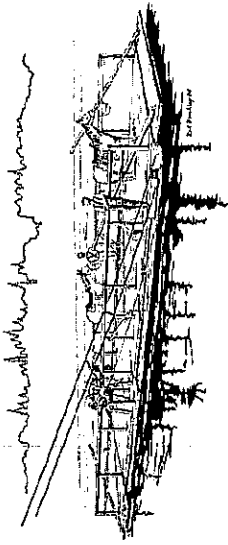
2014 COUNCIL PRESENTATION SEWER MASTER PLAN IMPLEMENTATION PROPOSAL

- What Next?
 - Consensus of the Appropriate Work Scope
 - How much how soon?
 - Council Agreement on Bonding versus Revenue Financing
 - Cost of Service Study (COSA) and Rate Study
 - The outcome of this study will likely create a need to review the work scope
 - There are generally several cycles of Scope-COSA-Scope-COSA



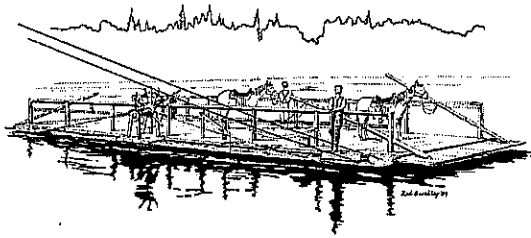
2014 COUNCIL PRESENTATION SEWER MASTER PLAN IMPLEMENTATION PROPOSAL

- Short Discussion on Communications
 - There are 4 primary methods of communication between are facilities
 - Leased phone lines from Frontier
 - These are around \$10 per month
 - Reliability has been poor
 - Frontier has been difficult to work with on repair issues
 - City owned hard lines. Either CAT 5 or Fiber optic
 - High reliability
 - For longer distances installation cost are significant
 - Highest data capacity
 - Requires outside specialized contractor for installation
 - 20 plus year useful life



2014 COUNCIL PRESENTATION SEWER MASTER PLAN IMPLEMENTATION PROPOSAL

- Methods of communication continued
 - Radio links
 - Short lead time for installation
 - Moderate cost for installation – around \$500 per site
 - No monthly cost
 - Medium reliability
 - 7 – 10 year useful life
 - Data capacity is directly related to cost of the radio
 - Cell Phone modems
 - Newer Option
 - Installation cost comparable to radios
 - Monthly charge of around \$7 – Monthly cost is related to data requirement
 - No maintenance cost
 - Reliability is unknown but expected to be good.
- Summary
 - We expect to use a combination of all of the above based on site-specific requirements



MEMO

CITY OF BONNERS FERRY
CITY ADMINISTRATOR

Date: 27 November 2013
To: City Council
From: Stephen Boorman, City Administrator
Subject: Sewer System Capital Improvements.

The recently completed Sewer Master Plan identified a number of recommended capital projects for our sewer system. The Capital Improvement Plan (CIP) from the plan is attached.

When financing a CIP there are really two methods. First is "revenue financing", increasing rates so that the projects can be done with acquired financial reserves. Second is "bonding", for an Idaho municipality this means a bond election and then borrowing the money. For a sewer revenue bond the threshold is 50% approval. If the citizens approve the bond the money can be borrowed from the source the City Council feels is in the best interest of the City. The common ones are, the open bond market, DEQ, USDA Rural Development, Idaho State Bond Bank, or a commercial financial institution (bank).

One major component of financing a CIP is the rate structure. With this there is a chicken-and-egg issue. A good rate structure is based on the CIP and desired method of funding it and how you fund the CIP is based on what is rate structure is desired. In practice these are arrived at through an iterative process.

After giving this significant thought, we would like to propose the following plan of action:

- Dec 2013 – January 2014 Council sets a preliminary CIP program
- January – February COSA and rate study completed
- March – April Review the CIP in light of the rate impact
Implement rate increase as appropriate.
- August 2014 If required have a bond election
- Summer 2015 Construction of treatment improvements and sewer
bridge refurbishment
- 2015 forward Invest approximately \$250,000 per year in CIP for
lift stations and line replacement

CIP Program straw horse

- Highest priority Sewer bridge and treatment
Estimated Cost \$3 Million
Funding Bonding

- Second priority
Estimated Cost
Funding
Lift Station Improvements
\$3 Million over 10-15 years
Revenue financing
- Third priority
Estimated Cost
Funding
Pipe replacement
\$700,000 over 10-15 years
Revenue financing

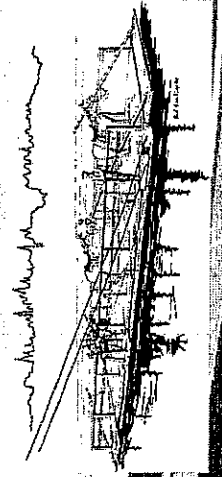
Note: It is our view that incremental improvements can be made to the lift station over time that will provide a better return on investment than a single large replacement program.

SJB

City of Bonners Ferry

Wastewater Facilities Master Plan

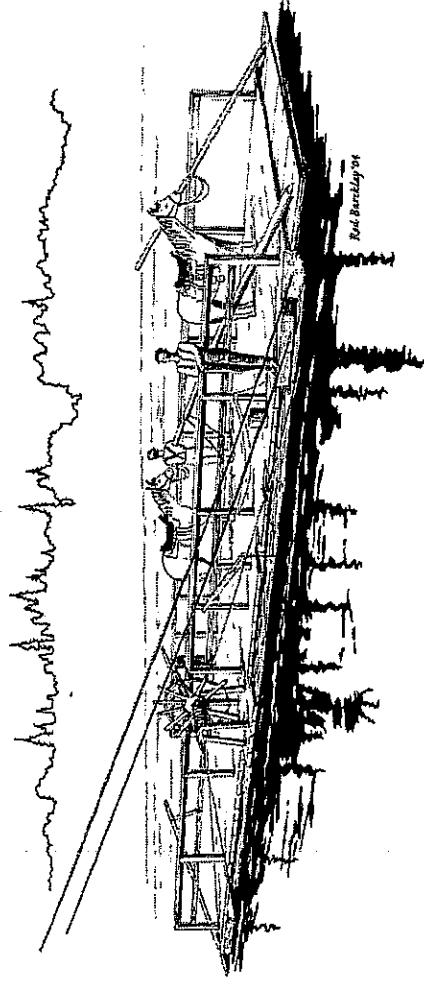
John Griffin, Water/Sewer Department Supervisor
Brett Converse, Ph.D., P.E.



JUB ENGINEERING, INC.

Public Meeting

- Trigger a discussion
- Learn about the system
- Ask Questions



Outline

- Wastewater facilities
 - Collection
 - Gravity lines
 - Pressure line
 - Treatment
- Evaluation of existing facilities
- Future Needs
- Recommendations
- Approach

Wastewater Collection

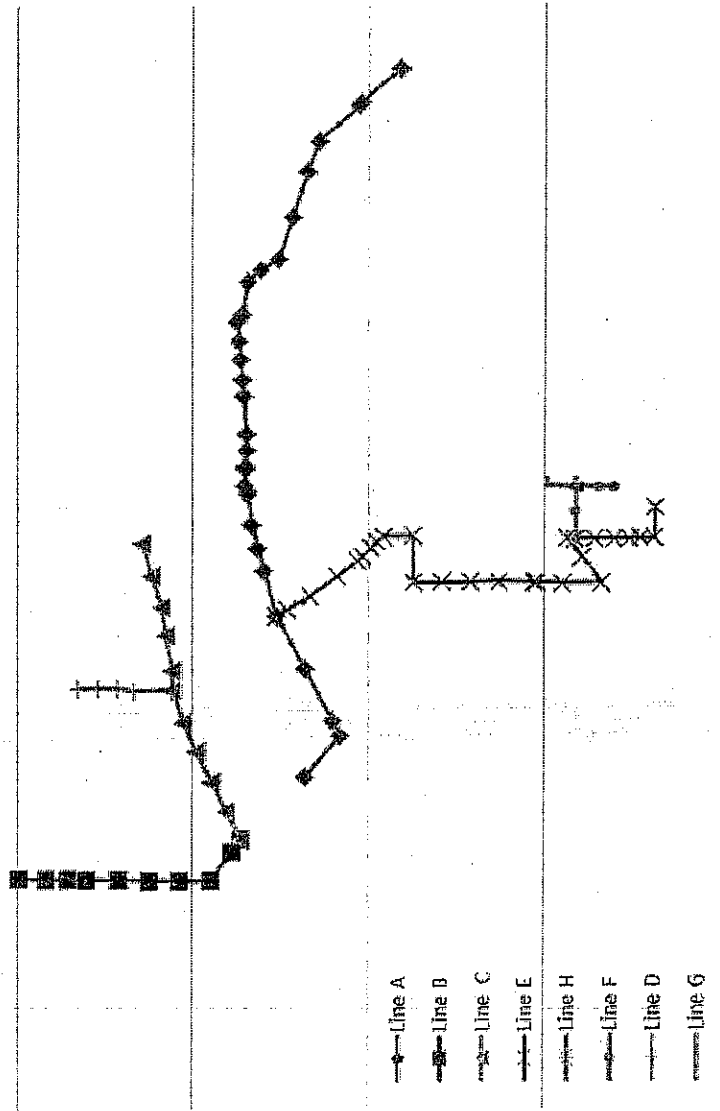


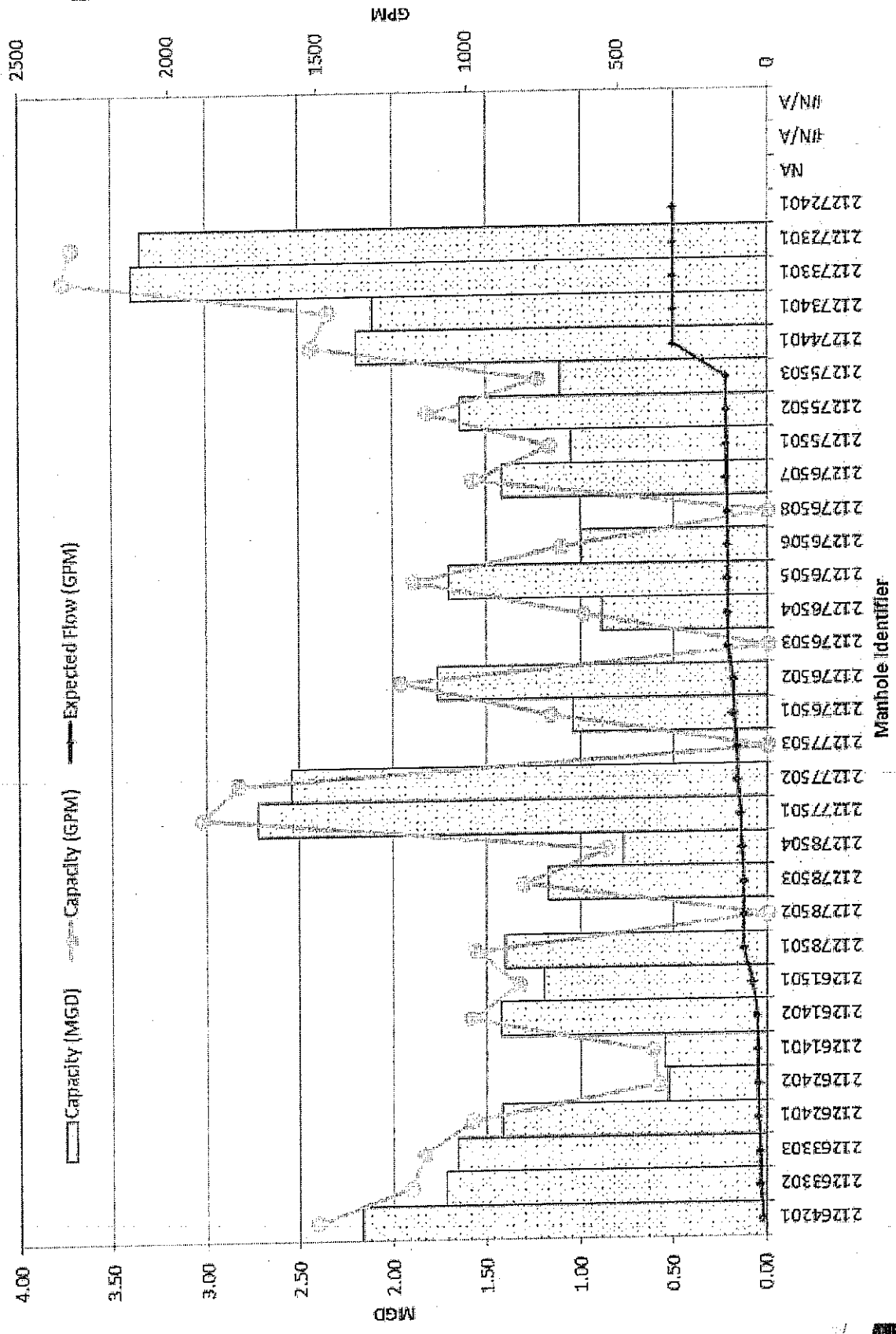
Gravity Collection



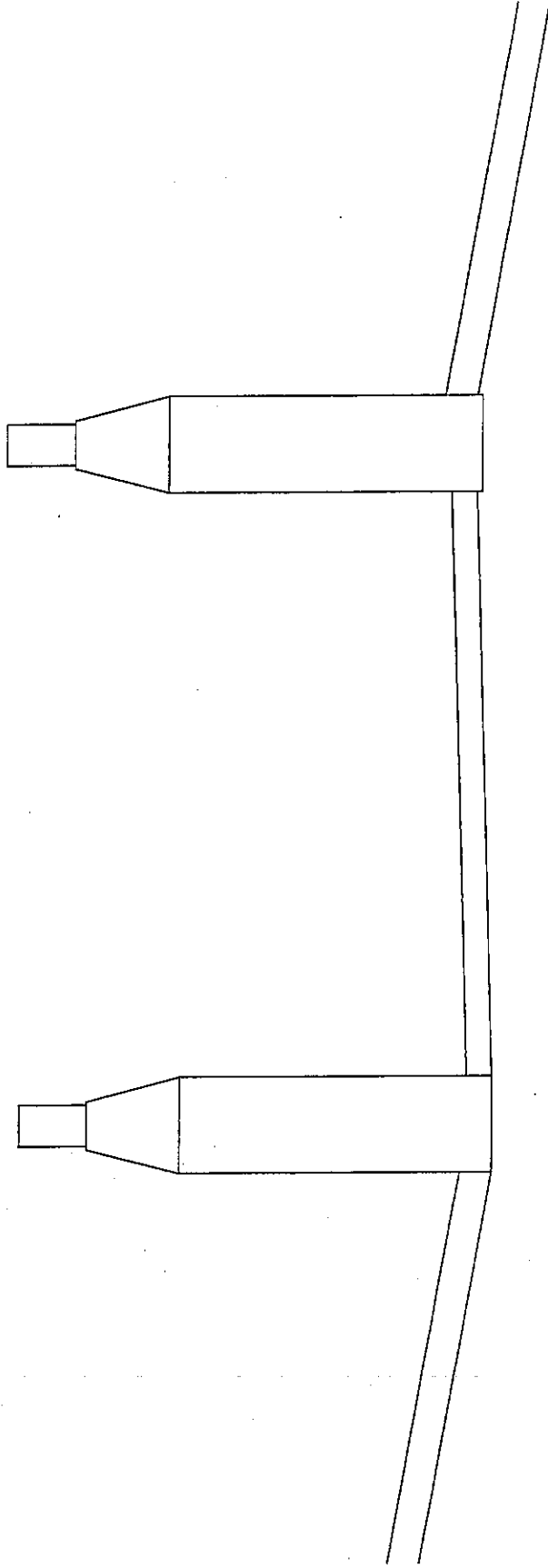
Collection System Evaluation

Figure 6-2 – Collection System Lines Modeled





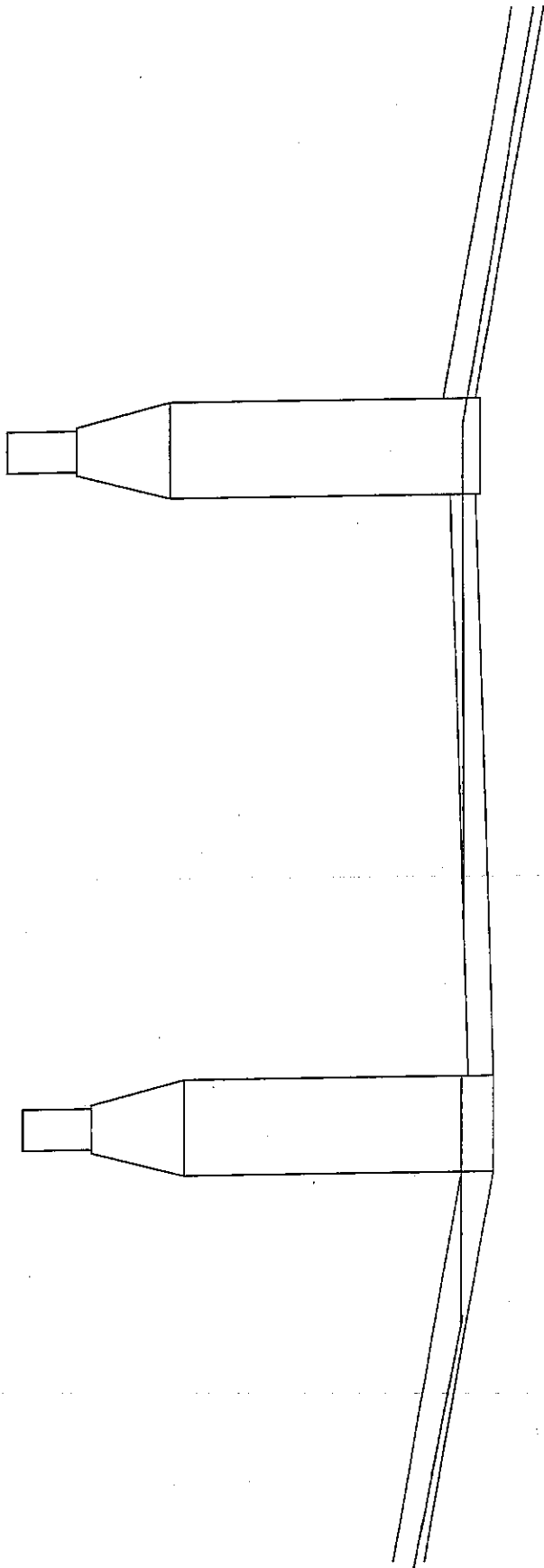
Evaluation



JUB

JUB ENGINEERING INC.

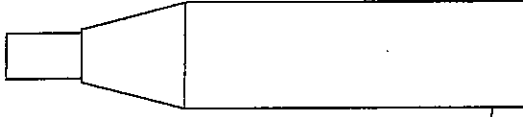
Evaluation



JUB

JUB ENGINEERS PVT. LTD.

Recommendation

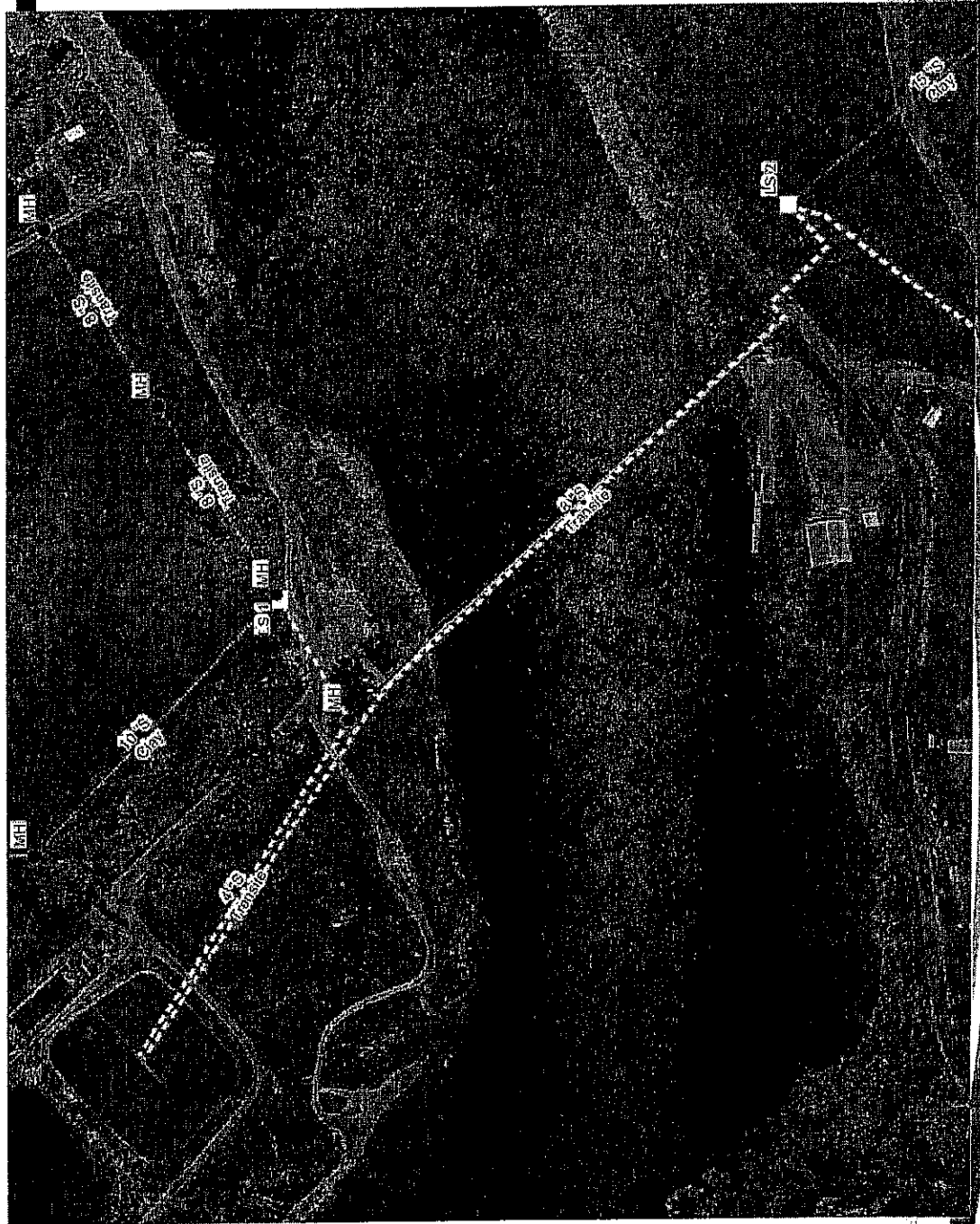


JUB ENGINEERS INC.

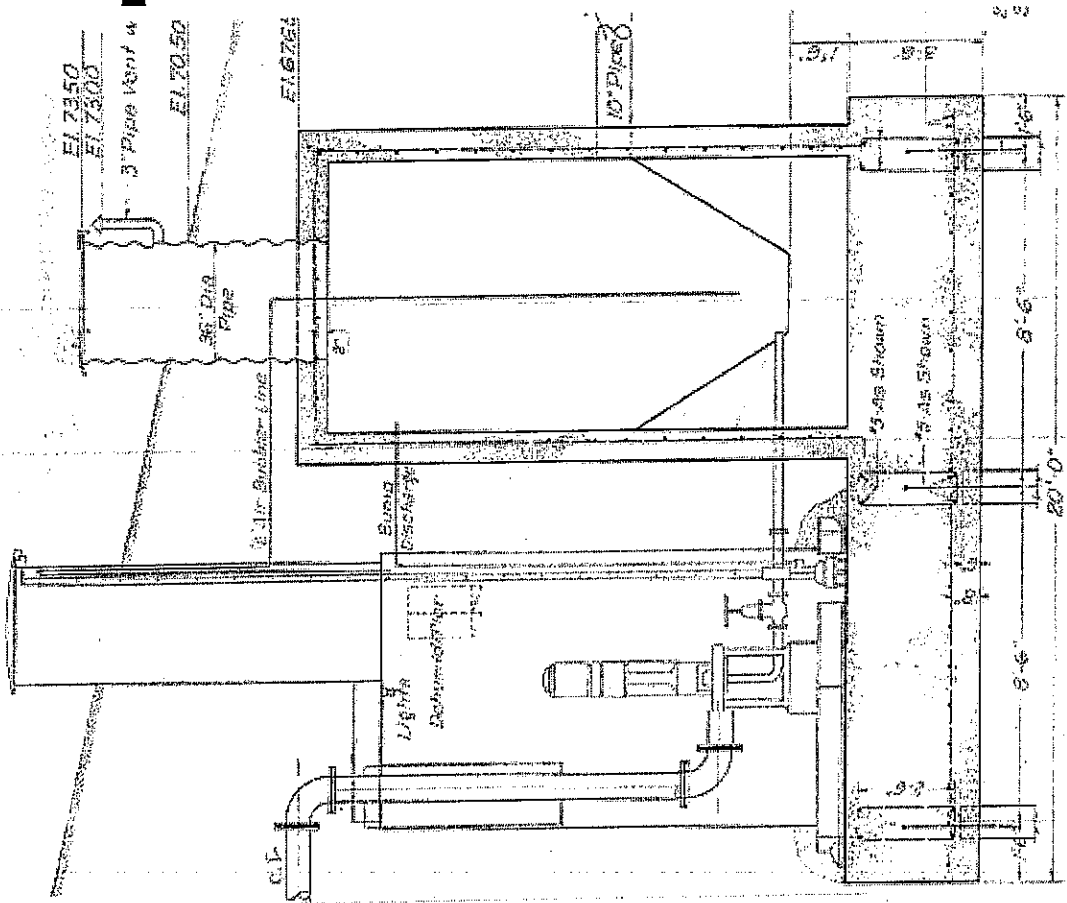
Gravity Line

- System has remaining capacity
- Most parts more that 1/2 way through useful life
- Repair/fix adverse grade
 - Live with bottleneck and associated maintenance
 - Monitor peak flow head pressure, estimate flood
- Inspect via CCTV and gauge remaining life
- Budget / plan to replace when end is near

Pressure Force Main Collection



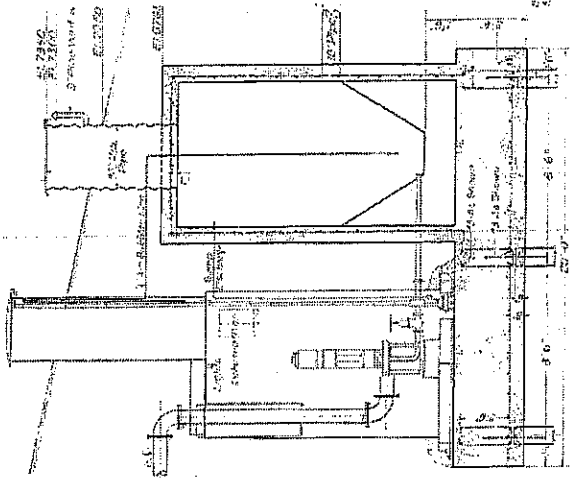
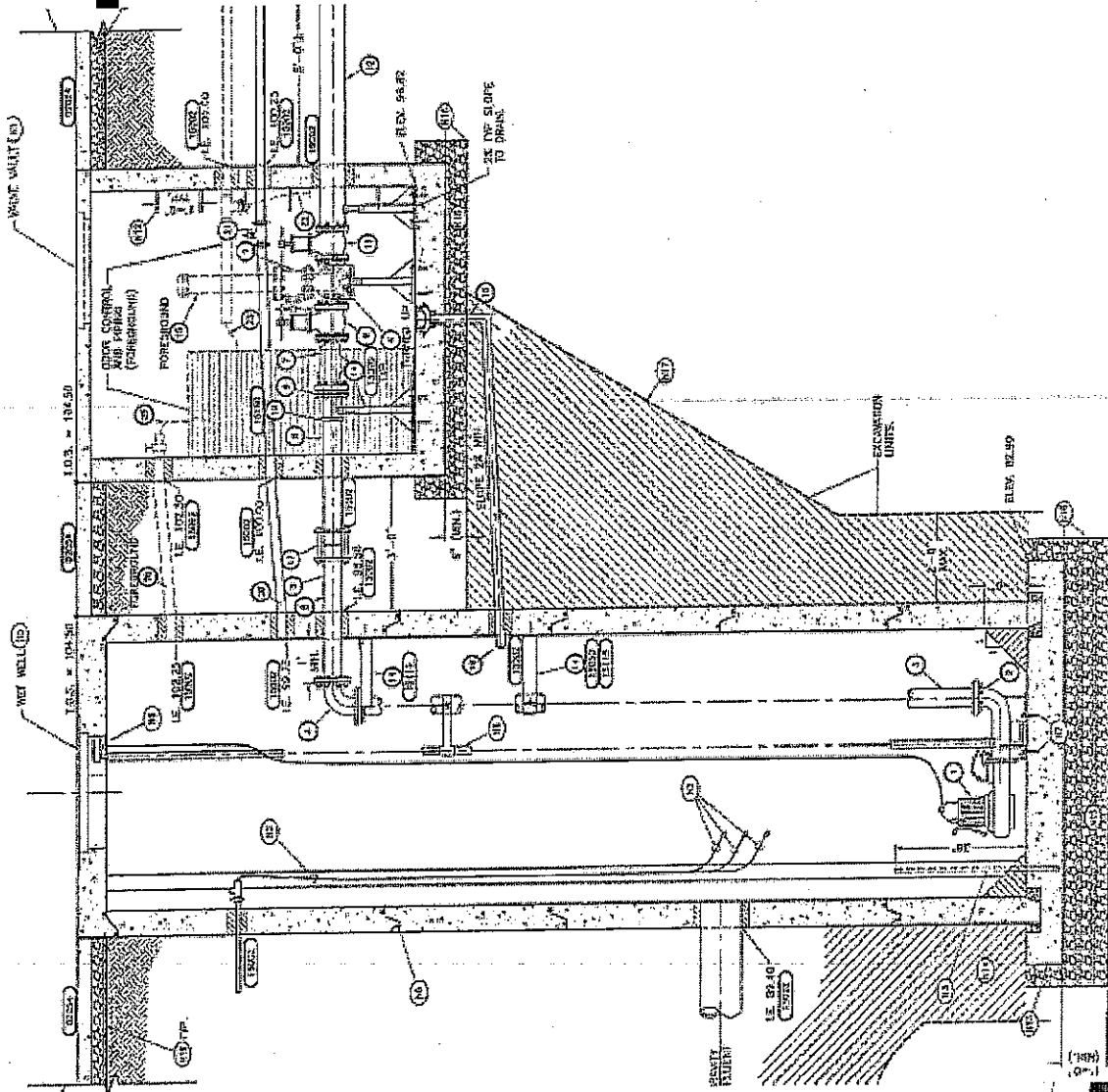
Lift Station



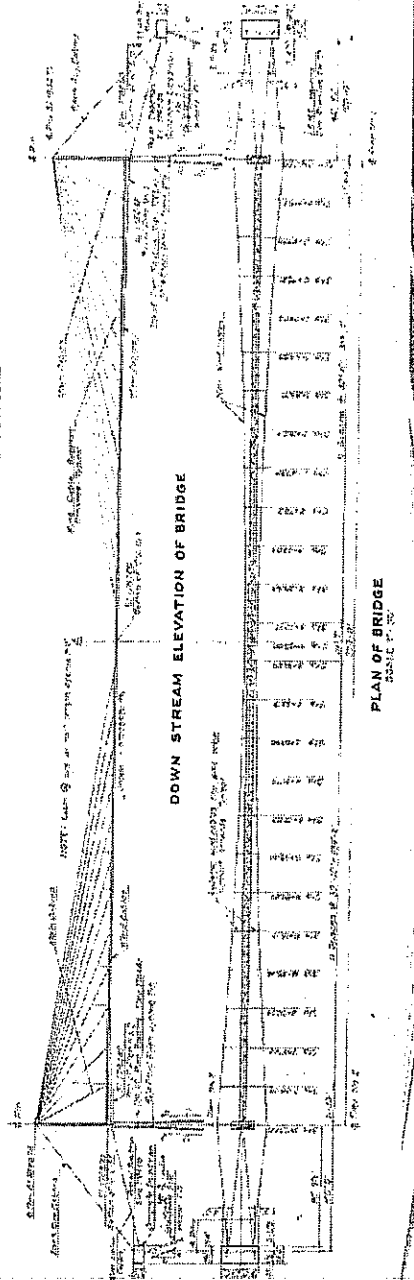
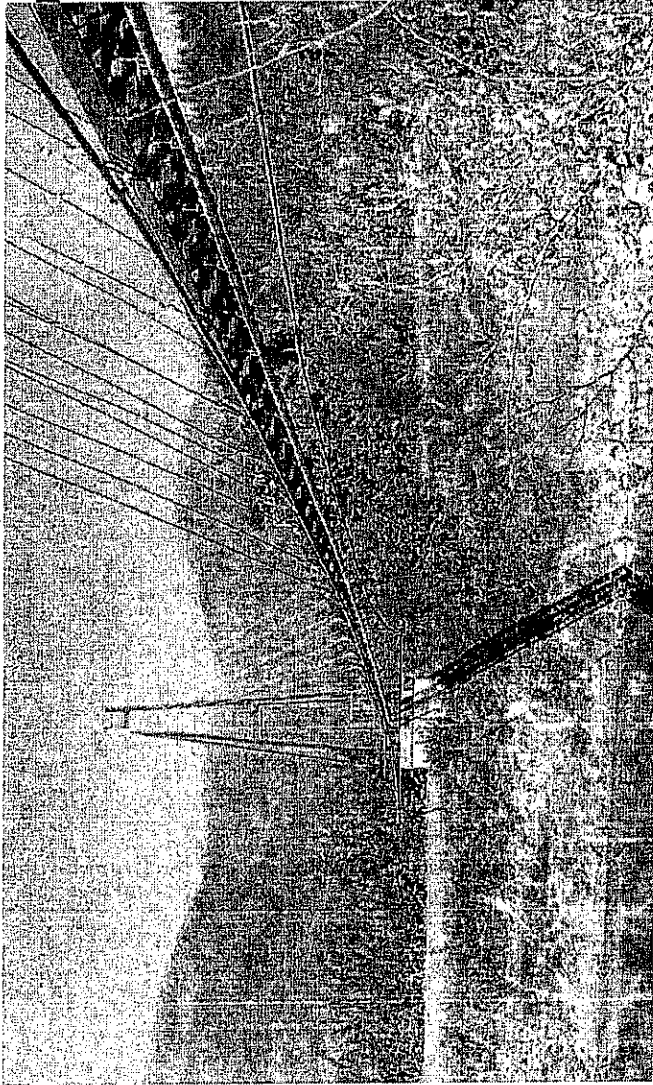
Evaluation of Existing Facilities

- 8 Lift Stations
- 7 have remaining pumping capacity
- 1 has trouble managing peak flows (both pumps)
- Hard wire standby power, no transfer switch
- All “nearing” end of “useful” life
- 3 are high priority to replace
 - Increase safety
 - Increase reliability
 - Increase capacity

Lift Station



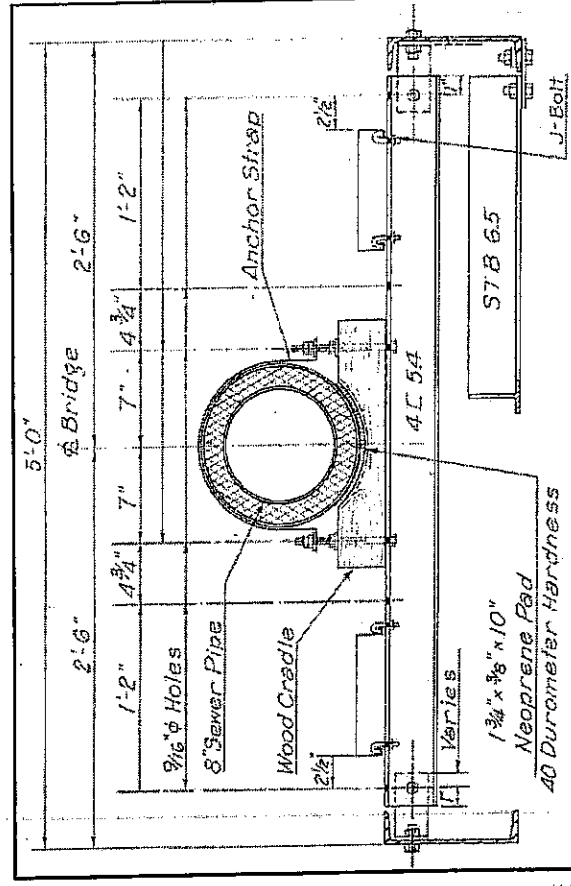
Force Main Bridge



Force Main Bridge

- Critical component
- 8-inch transite pipe (brittle with age)
- Bridge observed to move during wind (not good for brittle pipes)
- Replace (maybe two?)

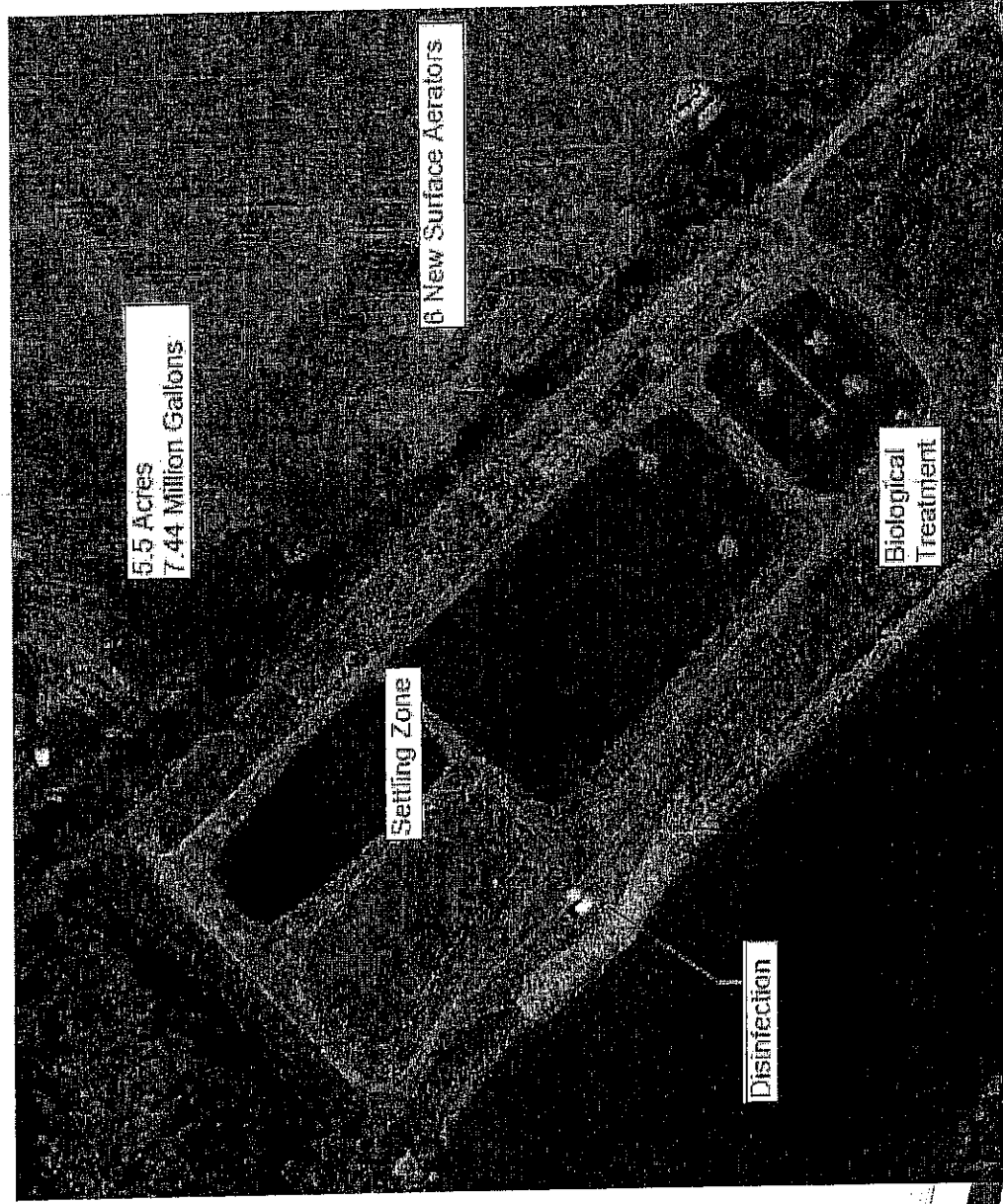
Figure 10-8 - Typical Bridge Section



Wastewater Treatment

- Biological treatment
- Convert organic matter in wastewater to carbon dioxide, water and biological cells.
- Settle the biological cells (biosolids) to the bottom of the lagoon where they decompose

Wastewater Treatment



Treatment Evaluation

- Minimal elements for successful secondary treatment
- Summertime algae growth continues to cause operational issues (high suspended solids)
- Remaining biological treatment capacity to serve to the end of the planning period if algae issues can be resolved
- Remaining hydraulic capacity if peak flows can be stored in lagoons (operation issue)

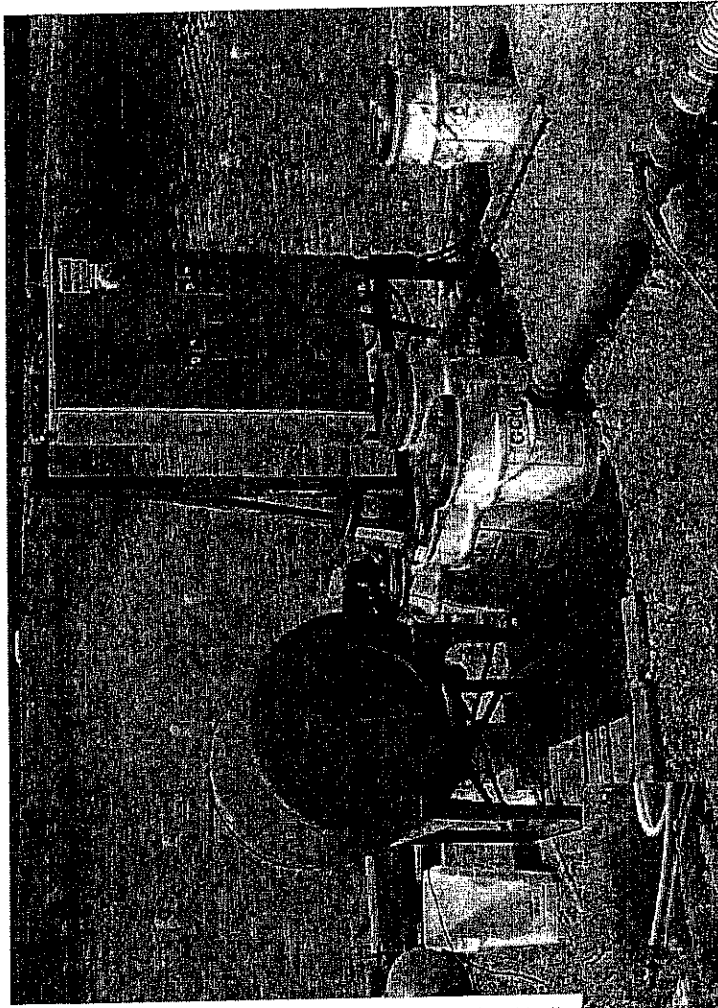
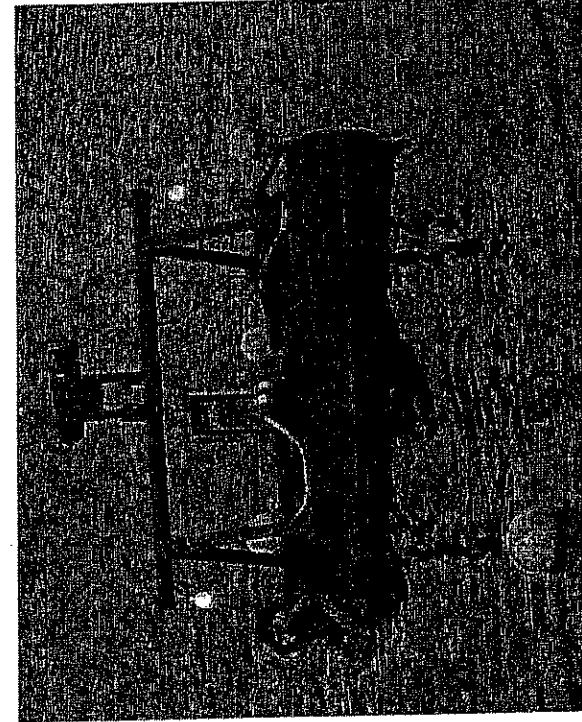
Wastewater Treatment

- Screening
- Grit Removal
- Biological treatment
- Clarification
- Disinfection – chlorination / de-chlorination
- Ancillary
 - On-site building: storage, safety,
 - Security

Asset Summary

- 7.44 million gallons of treatment volume
- 8 lift stations
- Suspension bridge
- 476 manholes
- 212,000 feet of gravity line
- 17,360 feet of force main
- Equipment

Equipment, Dredge



JUB

JUB ENGINEERS, INC.

Asset Replacement Cost

7.44 million gallons of treatment	\$1,100,000
8 lift stations	\$3,100,000
Suspension bridge	\$4,500,000
476 manholes	\$1,200,000
122,000 feet of gravity line	\$10,300,000
17,000 feet of force main	\$600,000
Equipment	\$500,000
Total =	\$21,300,000

Asset Replacement Cost

- \$ 14,500,000
- 1200 EDU
- \$ 62,000 per month
- \$ 52 per month per EDU
- 3%, 30 years



JUB ENGINEERS, INC.

No Action

- **No Action Alternative**
- The City will likely be unable to reliably meet effluent discharge standards, and/or the cost to meet standards using the current methodology of chemical treatment will become cost prohibitive.
- Future growth may be restricted.

WWTP Recommendations

- Pre-Treatment:
- Screening and grit removal.
- Option A – Rotating belt filter

WWTP Recommendations

- Lagoon Maintenance:
 - Budget liner replacement.
- TSS Reduction/Effluent Filtration:
 - Tertiary Membrane Microfiltration.
- Lagoon Bypass:
 - Bypass pumping equipment.

WWTP Recommendations

- Bridge Force Main:
 - A new pipeline across the bridge
- Buffer Zones:
 - Obtain development rights/easements.
- Security Fencing:

WWTP - Cost Opinions

Improvement

Capital Costs

Rotating Belt Filter	\$730,000
Lagoon Maintenance	\$1,340,000
Membrane Microfiltration	\$1,990,000
Lagoon Bypass	\$230,000
Bridge Forcemain	\$330,000
Buffer Zone	\$50,000
Security Fencing	\$100,000
Total =	\$4,770,000

Collection System Recommendations

- Collection System Improvements:
 - Remove 6 high points
 - Inspect Collection system (CCTV)
- Lift Station Improvements:
 - Update, modernize and/or replace lift stations

Collections - Cost Opinions

Project Identification Number	Description	Present Worth Capital Costs
1	From Manhole A10 to A12	\$104,400
2	From Manhole A14 to A16	\$166,900
3	From Manhole A18 to A20	\$35,100
4	From Manhole A21 to A23	\$48,000
5	From Manhole E7 to E9	\$114,100
6	From Manhole E12 to E14	\$110,800

Lift Station - Cost Opinions

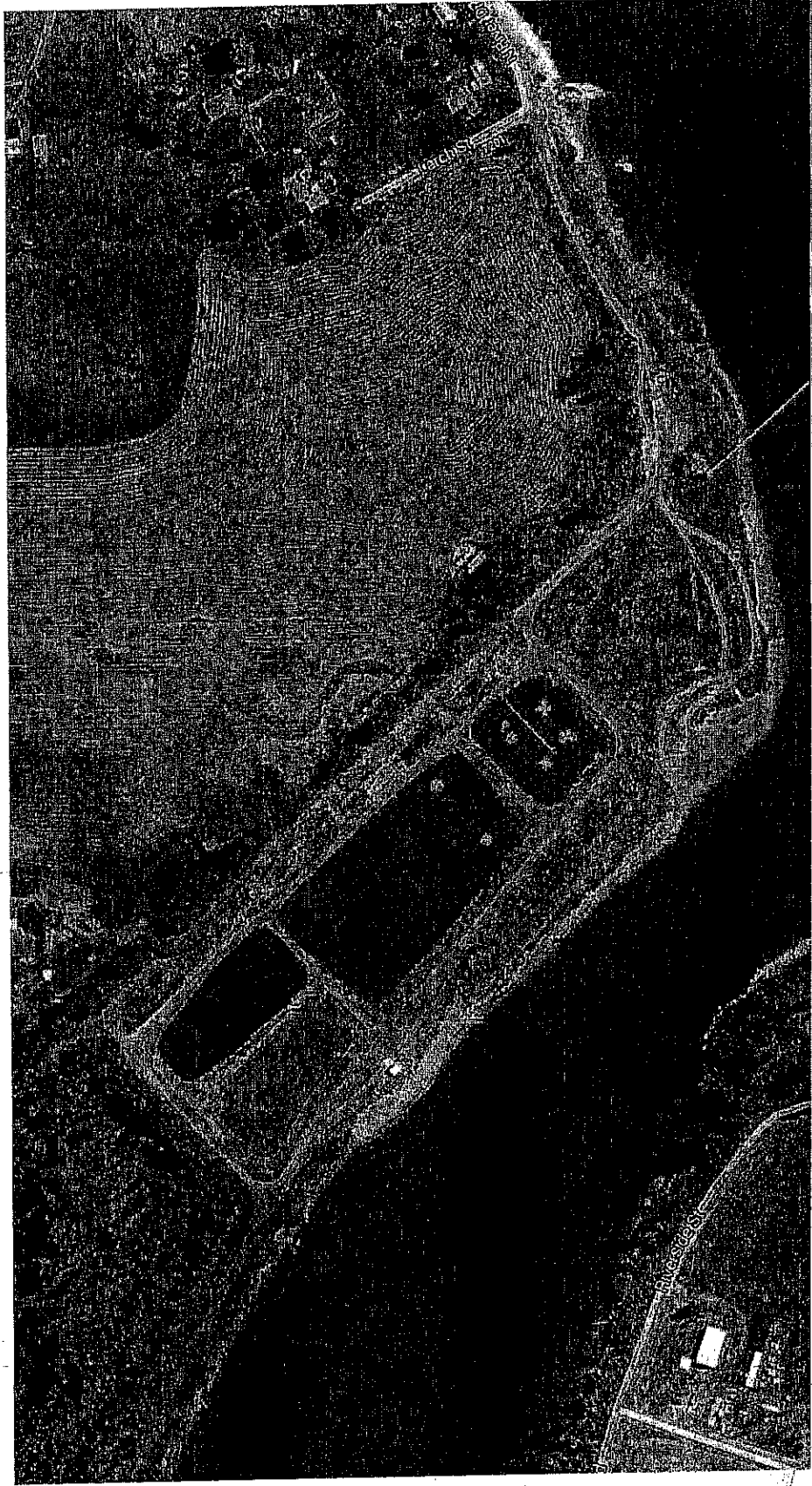
Project Prioritization Rank	Lift Station Number	Present Worth Capital Costs
1	Lift Station 5	\$840,000
2	Lift Station 1	\$300,000
3	Lift Station 2	\$380,000
4	Lift Station 3	\$300,000
5	Lift Station 4	\$320,000
6	Lift Station 6	\$300,000
7	Lift Station 8	\$300,000
8	Lift Station 7	\$300,000
--	Portable Generator	\$40,000



Phased Approach

Improvements	Cost (\$2013)	Phase One	Phase two
From Manhole A10 to A12	\$104,400		\$104,400
From Manhole A14 to A16	\$166,900		\$166,900
From Manhole A18 to A20	\$35,100		\$35,100
From Manhole A21 to A23	\$48,000		\$48,000
From Manhole E7 to E9	\$114,100		
From Manhole E12 to E14	\$110,800		
Lift Station 5	\$840,000	\$840,000	
Lift Station 1	\$300,000	\$300,000	
Lift Station 2	\$380,000	\$380,000	
Lift Station 3	\$300,000		\$300,000
Lift Station 4	\$320,000		\$320,000
Lift Station 6	\$300,000		\$300,000
Lift Station 8	\$300,000		
Lift Station 7	\$300,000		
Portable Generator	\$40,000	\$40,000	
Rotating Belt Filter	\$730,000		\$730,000
Lagoon Maintenance	\$1,340,000		
Membrane Microfiltration	\$1,990,000	\$1,990,000	
Lagoon Bypass	\$230,000		
Bridge Foremain	\$330,000	\$330,000	
Buffer Zone	\$50,000	\$50,000	
Security Fencing	\$100,000	\$100,000	
TOTAL =	\$8,429,300	\$4,030,000	\$2,004,400

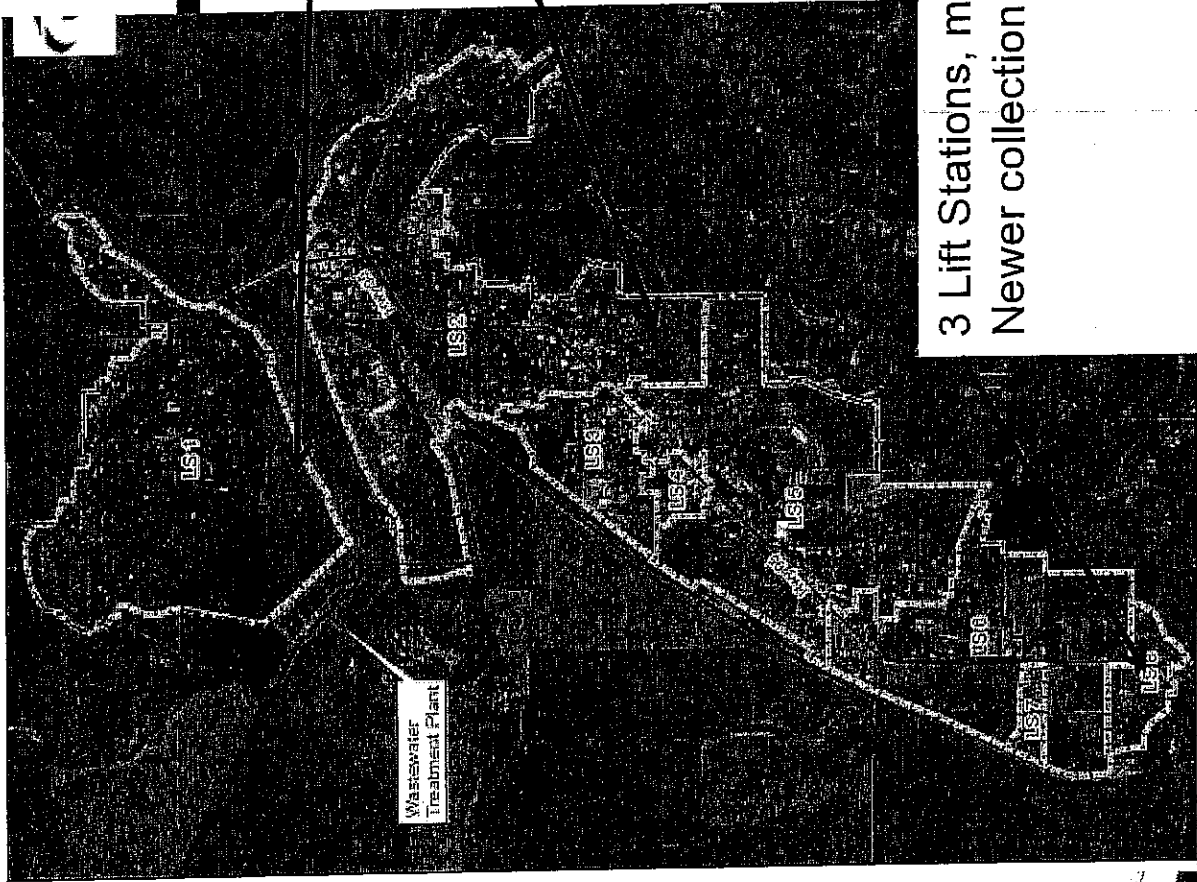
Questions



Lift Station

- LS 8 into GL flow to LS 6
- LS 7 into GL flow to LS 6
- LS 6 into GL flow to LS 5
- LS 5 pumps to WWTP
- LS 4 into GL flow to LS 2
- LS 3 into GL flow to LS 2
- LS 2 and LS 5 share the river force main
- LS 1 pumps to WWTP

Cost of Service



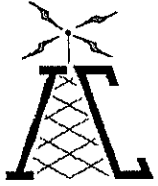
Collection System

Gravity Pipes Diameter	Length (ft)	City (ft)		County (ft)	
		City	County	City	County
6	681.43	681.43	0.00	0.00	0.00
8	108,293.06	100,948.31	7,344.75	0.00	0.00
10	4,795.46	4,795.46	0.00	0.00	0.00
12	5,017.80	5,017.80	0.00	0.00	0.00
15	3,191.78	3,191.78	0.00	0.00	0.00
Total Gravity	121,979.51	114,634.77	7,344.75	0.00	0.00

Pressure Pipes	Length (ft)	City (ft)		County (ft)	
		City	County	City	County
4	7,181.67	4,610.25	2,571.42	0.00	0.00
6	8,577.80	2,944.80	5,633.00	0.00	0.00
8	1,599.90	1,599.90	0.00	0.00	0.00
Total Pressure	17,359.37	5,633.00	11,726.37	0.00	0.00

	Total	# in City	# in County
Manhole	476	440	36
Cleanout	2	2	0
Lamphole	13	13	0
Lift Stations	8	5	3





Industrial Communications

A Full Service Communications Company

Bonnors Ferry Telemetry System Proposal

Prepared for:

City of Bonnors Ferry

By:

**Scott Grimmatt
Industrial Communications**

Date:

November 26, 2013

About Industrial Communications

Firm Name: Industrial Communications
Address: 16610 E. Sprague Avenue, Spokane Valley, WA 99037
Main Phone: 800-537-7047
Web Site: www.twoway.net
Authorized Contact/Owner: Scott Grimmatt, BSEE, scott@twoway.net
Year Established: 1965
Type of Firm: Communications Systems Sales, Service, and Installation
Washington State Contractor License: INDSTCS918RJ



Industrial Communications
A Full Service Communications Company
www.twoway.net

16610 E. Sprague Ave, Spokane, WA 99037 Toll Free: 800-537-7047 Email: scott@twoway.net Web: www.twoway.net

Industrial Communications Telemetry System Personnel

Scott Grimmett, BSEE, cum laude
Owner/Electrical Engineer
28 years
Project Responsibilities: System design

Tom Faulkner, MSEE
System Engineer
32 years
Project Responsibilities: Project Management and RF system testing

Dale DuRee, Electronic Technology Associate Degree
Radio Repair/Field Service Technician
31 years
Project Responsibilities: RF System construction

Russell Lenz, Electronic Technology Associate Degree
Radio Repair/Field Service Technician/Tower Certification
7 years
Project Responsibilities: RF System and Grounding construction and installation

Shawn Maxwell, Military Radio Training
Radio Installation/Field Service Technician/Tower Certification
4 years
Project Responsibilities: RF System and Grounding construction and installation



Industrial Communications
A Full Service Communications Company
www.twoway.net

16610 E. Sprague Ave, Spokane, WA 99037 Toll Free: 800-537-7047 Email: scott@twoway.net Web: www.twoway.net

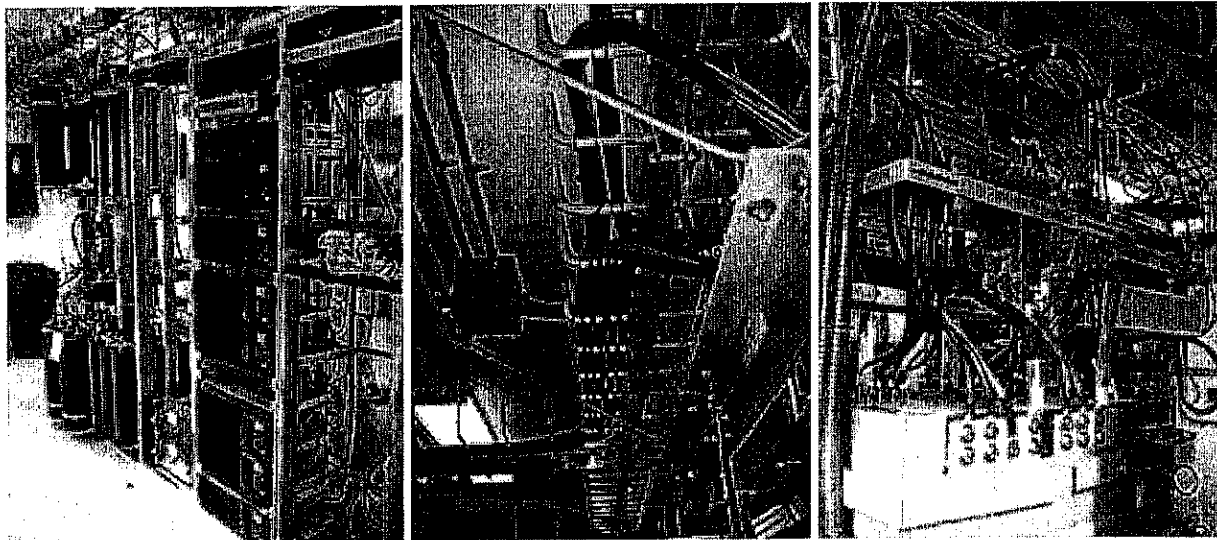
Industrial Communications Experience and Qualifications

Industrial Communications is a full service company that has provided engineering, sales, installation, and maintenance services for over forty-five years to the Inland Northwest area. Our staff members have extensive training, knowledge, and experience in radio communications systems design, installation, and maintenance of complex radio systems. We are experienced in telemetry radio system modeling, design, and installation.

Our technical staff has received specialized training in digital radio systems from Kenwood, Tait, and Thales and hold factory certified training certificates from all vendors. We are authorized Daniels and Raytheon dealers. We have four technicians trained on the Kenwood Nexedge system. Several technicians have attended Zetron dispatch system training at the factory and earned authorized installation and maintenance certificates. We have been certified in specialized grounding systems by Lincole Systems. We have two technicians tower trained and certified. We also possess the largest inventory of specialized communications test equipment in the northwest.

Our company's reputation for quality technical work and customer service earned us several large projects including a complete replacement and upgrading of the Benewah County Dispatch Center and the Grant County Public Safety digital system.

Industrial Communications has developed long-term relationships with many of our clients and has provided complete turnkey radio systems. We are the largest Kenwood radio dealership in the Inland Northwest and maintain a large inventory of radios, antennas, accessories and service parts.



Grant County VHF Simulcast and 800 MHz P25 digital site installations by Industrial Communications



Industrial Communications
A Full Service Communications Company
www.twoway.net

16610 E. Sprague Ave, Spokane, WA 99037 Toll Free: 800-537-7047 Email: scott@twoway.net Web: www.twoway.net

Sampling of Industrial Communications' Telemetry Clients

Post Fall Public Works
City of Sandpoint
Pend Oreille County PUD
Spokane Water District 3
Whitworth Water District
City of Colville Water
Sun-up Bay
Hoyt Ranch Homeowners Association
Pioneer Water District
Trentwood Water District
Applied Solutions
Control Freek
United Crown Pump



Industrial Communications
A Full Service Communications Company

www.twoway.net

16610 E. Sprague Ave, Spokane, WA 99037

Toll Free: 800-537-7047

Email: scott@twoway.net

Web: www.twoway.net

Page 5

Proposal

Step 1

I would propose that the first step be to perform propagation models for all desired radio links in the system. The propagation models will give a good estimation of the quality of the radio path between sites. Below is an example of a radio link propagation model. The propagation model indicates the strength of the radio signal and a visual indication of the radio path. The key number in the model is the Rx Relative number in the upper right side of the model. This number is also known as the fade margin and for reliable radio links this number should be >28 dB.

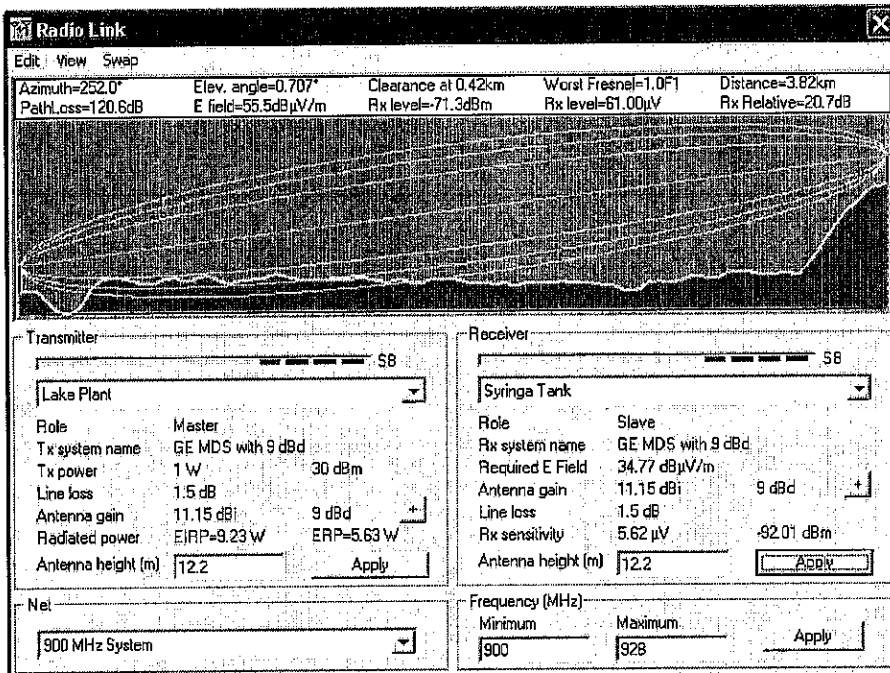


Figure 1: Example of a radio propagation model

When performing the propagation model, I would adjust antenna heights and antenna gains to find the optimal antenna height and type to maximize the signal strength of the path. If the model indicates that an acceptable fade margin cannot be achieved, alternate paths would be evaluated to try and find a path with an acceptable fade margin.



Once the models and paths have been identified, a report and recommendation on paths would be created for the City to evaluate.

Step 2

Perform on-site radio link measurements using actual radios and antennas to verify that the paths are acceptable. The measurements would be done with SCADA radios and also the paths would be measured with a spectrum analyzer to determine if any interference is present on the frequencies.

A report on the path measurements with recommendations would be provided to the City.

Step 3

Once the radio paths have been determined, the design of the radio installation, antenna system, and grounding system would be created with cost estimates for each site. Industrial Communication's part of the project would be to design and install the radio system. The interface from the radios to the PLC's would be done by Applied Solutions. At the same time as the radio system was being design, Applied Solutions would design the interface to the PLC and any necessary changes to the PLC software.

Step 4

After the City approves the designs by Industrial Communications and Applied Solutions, installation and commission of the new system would begin.



Implementation

Step 1

The information needed:

- What are GPS coordinates at the site?
- What structures or towers are available at the site for locating the antenna and the height of the structure or tower?
- Are there any large man-made objects or structures around the site that would block a radio signal?
- Is the site rural or urban? If urban, what is the percentage of structures in the path line of site?

The above information can be gathered by Industrial Communications during an on-site visit or can be provided by the City.

It is my understanding that the desire is to use 900 MHz radios. 900 MHz signals do not bend well and require a good line of site between locations. If it is obvious that there is significant blockage in the desired radio path, alternate locations for repeaters would need to be provided.

Step 2

Two technicians would perform actual radio link measurements between sites. If an antenna is required to be at a certain height, the technicians will need to locate an antenna at that height for the test. In some cases, a boom truck or lift may be needed for the measurement. The City can provide the boom truck and operator, or we could rent a lift for those measurements. The time required to perform the measurements will be dependent on the number of radio links.

Step 3

Meetings would be required between the City, Industrial Communications, and Applied Solutions to review and finalize the system design.

Step 4

The implementation plan for installation would be determined during the system design.



Industrial Communications
A Full Service Communications Company
www.twoway.net

16610 E. Sprague Ave, Spokane, WA 99037 Toll Free: 800-537-7047 Email: scott@twoway.net Web: www.twoway.net

Budgetary Pricing

The link propagation model pricing below is per radio link. Total pricing for the modeling can be provided once the number of radio links has been determined.

Qty	Units	Step 1 Pricing	Unit Price	Extended Price
1	link	Radio link propagation model and optimization per link	\$ 250.00	\$ 250.00
1	ea	Report and recommendations on propagation models for all links	\$ 750.00	\$ 750.00
1	ea	Optional: On-site data site evaluation and data gathering, Includes travel	\$ 800.00	\$ 800.00

The radio link measurement pricing below is per radio link. Total pricing for the link measurements can be provided once the number of radio links has been determined.

Qty	Units	Step 2 Pricing	Unit Price	Extended Price
1	link	Radio link measurements utilized two men with an average time of 3 hours per link	\$ 588.00	\$ 588.00
1	ea	Report and recommendations on measurements for all links	\$ 1,500.00	\$ 1,500.00
1	ea	Optional: Lift Rental, Estimate	\$ 350.00	\$ 350.00
1	ea	Overnight stay for two men	\$ 300.00	\$ 300.00

Pricing for the design will be vary based on number of meetings required.

Qty	Units	Step 3 Pricing	Unit Price	Extended Price
1	ea	System Design	\$ 2,032.00	\$ 2,032.00
1	hr	Meetings	\$ 125.00	\$ 125.00
1	ea	Round Trip Travel	\$ 300.00	\$ 300.00



Firm pricing for installation can be determined after the system design. The table below is a budgetary example of the pricing for a typical single site radio system.

Qty	Units	Radio System Pricing	Unit Price	Extended Price
1	ea	SCADA 900 MHz Spread Spectrum Radio	\$ 1,492.00	\$ 1,492.00
1	ea	Power Supply, 120 VAC, 12 VDC, 3A	\$ 108.75	\$ 108.75
1	ea	Radio to bulkhead Jumper Cable	\$ 51.68	\$ 51.68
1	ea	N(f) to N(f) Bulkhead adapter	\$ 12.40	\$ 12.40
1	ea	Cable, Ethernet, CAT5e, Patch, 7 ft.	\$ 6.42	\$ 6.42
1	ea	Cable, RS-232C, DB9F/RJ45-M, 6 ft	\$ 8.25	\$ 8.25
75	ft	LMR400	\$ 1.41	\$ 105.75
4	ea	LMR400 N(male) connector	\$ 7.56	\$ 30.24
1	ea	6 element yagi antenna, 9.2dB gain, 300 watt, direct N-Female termination.	\$ 188.00	\$ 188.00
1	ea	Freight In for antenna	\$ 15.00	\$ 15.00
1	ea	Self-bonding silicone tape. Creates an air & water-tight seal. Two 1.5" x 15' rolls.	\$ 28.00	\$ 28.00
1	ea	Radio programming and configuration	\$ 500.00	\$ 500.00
Radio system Sub total				\$ 2,546.49

Qty	Units	Coax mounting and antenna mast	Unit Price	Extended Price
1	pak	Butterfly Hanger Kit, 3/8", LMR400 No Hardware, 10 Pak	\$ 20.25	\$ 20.25
1	pak	3/8" x 1" fillister head bolts, nuts, and lock washers. Stainless steel, 10 Pak	\$ 8.20	\$ 8.20
1	pak	Stainless Steel Clamp Head. Stainless Steel. 3/8" Through Hole. 10 Pack	\$ 9.12	\$ 9.12
1	pak	Round Tower Adapter Kit for 1" to 2", 10 Pak	\$ 9.59	\$ 9.59
1	ea	Single entry feed thru plate 4" diameter opening, 7"x7" square plate	\$ 17.51	\$ 17.51
1	ea	Boot 4" diameter without cushion	\$ 16.40	\$ 16.40
1	ea	Cushion for 1/2" round cables, Two hole	\$ 4.43	\$ 4.43
1	ea	2 3/8" schedule 60, 20 foot galvanized antenna mount pipe	\$ 120.00	\$ 120.00
1	ea	Custom Antenna Mast Bracket	\$ 200.00	\$ 200.00
Coax mounting and antenna mast Sub total				\$ 405.50

		Grounding and Lightning Protection System	Unit Price	Extended Price
1	ea	Bulkhead and flange mount Arrestor, N/F to N/F	\$ 72.00	\$ 72.00
1	ea	LMR400 GROUND KIT	\$ 29.00	\$ 29.00



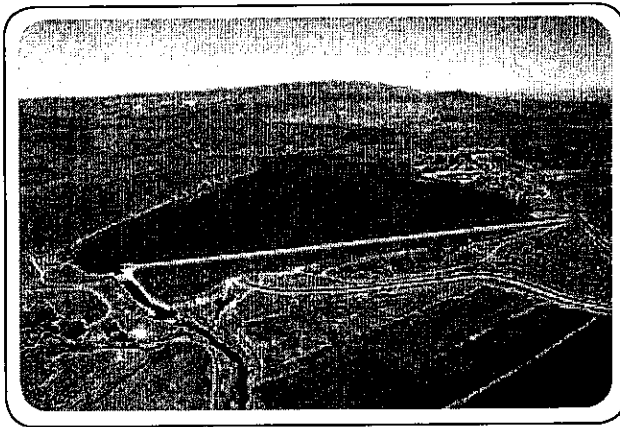
2	ea	2.5" to 3" Nominal Size Pipe Clamp [Ground kit and ground wire connections]	\$ 40.15	\$ 80.30
1	ea	Ground Bar, 2" X 10" X 1/4" solid copper ground bar with shelter mounting hardware	\$ 46.40	\$ 46.40
50	ft	#2 AWG Solid Ground Wire [MGB to Ground]	\$ 3.30	\$ 165.00
1	ea	#2 Lug Two 3/8" Holes @ 1" OC Long Barrel, Brown [MGB]	\$ 4.00	\$ 4.00
100	ft	#6 AWG Stranded Insulated Green Jacket Ground Wire [Ground Kit to Ground and Panel to Ground]	\$ 1.28	\$ 128.00
1	ea	#6 Lug Two 3/8 Holes @ 1" OC Blue [Connection to Panel]	\$ 3.28	\$ 3.28
2	ea	C-Tap #2 to #6-#12. Pink die [Ground kit wire and panel wire to 2 solid wire]	\$ 5.80	\$ 11.60
20	ft	#10 AWG Stranded Insulated Green Jacket Ground Wire [Equipment in rack grounding]	\$ 0.45	\$ 9.00
20	ea	#10 stud, #10 Wire Lug [Equipment in rack grounding]	\$ 0.05	\$ 1.05
1	ea	8-foot Copper Clad Steel Ground Rod	\$ 22.35	\$ 22.35
1	ea	Uni-Shot ground wire weld for 5/8" Ground Rod 1-#2 wire	\$ 9.60	\$ 9.60
Grounding Protection System Sub total				\$ 581.58

On-Site Installation			Unit Price	Extended Price
1	ea	Misc Site installation parts	\$ 50.00	\$ 50.00
1	ea	Site antenna mount, antenna, coax, and grounding installation	\$ 3,136.00	\$ 3,136.00
0.5	ea	Radio link setup	\$ 968.00	\$ 484.00
1	ea	Travel and Hotel	\$ 1,140.00	\$ 1,140.00
On-site Installation Sub total				\$ 4,810.00

Total **\$8,343.57**



Advanced Control Systems Delivers Cloud-based Wireless Water and Wastewater Monitoring and Control



Deployment: CradlePoint COR IBR600

3G/4G Internet Connection: Primary Machine to Machine (M2M)

Application: Primary connection for wireless on-call SCADA support services

Market: Water and wastewater monitoring within rural and metropolitan areas

SITUATION

Supporting the Northwest directly since 1992, Advanced Control Systems (ACS) has developed customized monitoring and control solutions for the past 20 years that have been resold and deployed across the world. ACS is focused on delivering Supervisory Control and Data Acquisition (SCADA) control systems for industrial, infrastructure, or facility-based processes. Today, ACS's solutions are deployed across a number of unique markets, including water and wastewater, manufacturing, agriculture and government.

CHALLENGE

Situated in the Northwest, ACS faces a number of challenges that range from the economics of supporting a diverse customer base (i.e. private home owner associations to large municipalities) to developing meaningful and engaged SCADA systems within rural areas. In the case of water management, administrators traditionally monitor the quality and levels of water in wells and reservoirs through time-consuming travel to remote areas, onsite surveillance, and manual processes. The power of introducing wireless connectivity can be summarized in the short example below.

On the outskirts of Eastern Oregon, ACS worked with and supported the management of a rural-based dam that fed more than 286,000 acres of agricultural land. The dam originally relied on a manual process that required an individual to live near the dam, check the meters throughout the day, manually execute the release valve and activate the hydraulic gates, monitor the flow and confirm actions via costly long distance telephone calls. These labor-intensive tasks were expensive and inefficient. This example is simply one of many that illustrate the challenges, high costs, and archaic approaches that have been necessary to implement to manage some of the nation's core infrastructure.

SOLUTION

The example in Eastern Oregon is unique as it parallels the evolution of ACS's offering and shift towards enabling remote managed SCADA systems. During a service call a few years ago, an ACS representative noticed that the area received a weak cell phone signal. Understanding the flexibility that would be gained by integrating mobile connectivity to a SCADA system, ACS began to integrate various technologies that would enable the remote management of the dam directly from the district supervisor. Today, ACS provides a secure, cloud-based environment that integrates various industrial control systems directly into the hands of decision makers via handheld devices. The solution is based on the CradlePoint COR IBR600 Router. With an embedded modem, the COR IBR600 provides ACS with the ability to support the most rural areas by working with the carrier that provides the most support. As a primary connection, CradlePoint COR IBR600 also supports traditional wired data networks like DSL or cable for maximum network flexibility. This open architecture enables ACS with the ability to ensure maximum uptime with business continuity features like failover and fallback standard. When configured, the router detects network failures and seamlessly switches over to another active connected data source to ensure that their actions are implemented.

"CradlePoint's M2M wireless router empowers ACS with the ability to control and monitor both private and public water systems from a manual and radio-based control system to reliable mobile broadband connectivity. The introduction of rugged wireless connectivity provides greater support within rural areas previously unserviceable due to travel cost." - Curt Landreth, President, Advanced Control Systems

The CradlePoint COR IBR600 is ruggedized to withstand elements. This continues to be demonstrated as the Eastern Oregon application is attached to a nearby

telephone pole to secure the strongest signal providing district administrators the ability to remotely manage, monitor, and engage the water levels and dam function. Today that CradlePoint enabled SCADA solution has withstood the elements in an area where temperatures can range from -20 °F in the winter to over 100 °F in the summer.

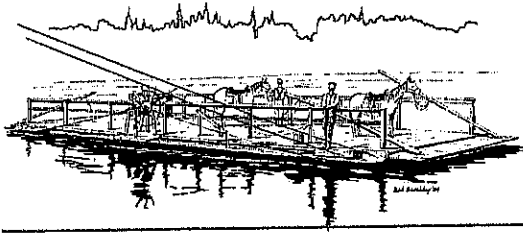
From a maintenance and management standpoint, ACS is evaluating CradlePoint WiPipe™ technology as its solutions are deployed and adopted across the nation. The introduction of CradlePoint WiPipe would enable ACS to remotely configure and manage each location. This eliminates the expense of having to send a truck for onsite IT support in the event a unit goes down and/or is not responding.

SUMMARY

ACS continues to push the envelope for how private and public institutions look to monitor and manage their core infrastructure. The introduction of reliable wireless broadband connections is transforming an industry that relied on manual and expensive solutions. ACS's introduction of wireless is changing the industry, allowing it to expand its business and provide automated and reliable solutions for new applications.

ABOUT CRADLEPOINT

Secure, powerful, and easily configurable, CradlePoint network solutions create instant networks anywhere there is a mobile broadband data signal using 3G/4G connectivity. Its comprehensive features - from remote management capabilities through WiPipe Central, to failover support, to leading levels of security - enable it to be used in the most critical of situations when connectivity is required.

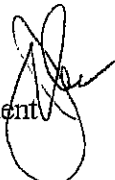


CITY OF BONNERS FERRY

7232 Main Street
P.O. Box 149
Bonners Ferry, Idaho 83805
Phone: 208-267-3105 Fax: 208-267-4375

Memo

To: Honorable Mayor and City Council

From: John F. Griffin, Water/Sewer Superintendent 

Date: January 10, 2014

Re: Full-Time Employment Retirement Date

After long discussions with my family, plus a lot of soul searching, I have decided to retire from full-time employment. Hence, I graciously must inform Council that my last day working with "*Idaho's Most Friendly Town*" at least in a full-time capacity, will be June 6, 2014.

As I look at my life before me, I am looking forward to spending more time with family especially my four grand-children ranging in ages 4 through 9. I don't want to wake up one day when I'm 65 or older and realize I missed the fun years of their lives.

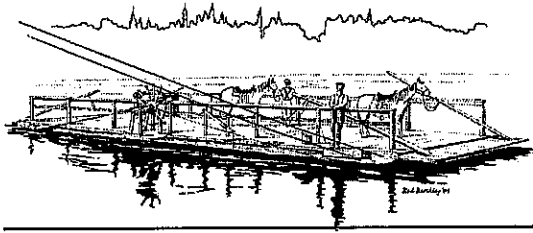
Staying busy in the world of water & wastewater only in a reduced fashion is also part of my future plans. A number of opportunities lie before me worthy of pursuit. They include; teaching, environmental consulting, project management, working on a spectrum of regulatory compliance issues, and more. I also have several projects outside of my profession, that to be perfectly honest, probably won't get done if I don't start on them soon.

I will work with City staff to make my departure as seamless as possible doing whatever's necessary. My staff & I have developed & implemented several new programs that have strengthened the Water/Sewer Department and in so doing, improved operational efficiency & effectiveness and relationships with some of our regulatory agencies.

With the utmost sincerity, I must say that the City of Bonners Ferry possesses some of most resourceful employees I have ever had the honor to work with. Council should be very proud of team Bonners Ferry.

JFG:jfg

Copy - City Administrator



CITY OF BONNERS FERRY

7232 Main Street
P.O. Box 149
Bonners Ferry, Idaho 83805
Phone: 208-267-3105 Fax: 208-267-4375

Memo

To: Honorable Mayor and City Council
From: John F. Griffin, Water/Sewer Superintendent
Date: 1/17/2014
Re: Water & Wastewater Supervisory Control and Data Acquisition (SCADA)
System Upgrade Project

The subject project is included in our 2013-14 Capital Budget and I am requesting approval to move forward with implementation. Attached you will find the list of SCADA system upgrades & associated costs for the project provided by Applied Solutions LLC, which the City has on retainer for this type work.

The existing software is obsolete & existing hardware is aged. These improvements will place our systems automation in a more reliable, efficient and robust position. Furthermore, this project is a key component of future overall planned systems improvements.

JFG:jfg

Attachment

Kris Larson

From: Eric Fox <eric@appliedsolutionsllc.com>
Sent: Monday, July 01, 2013 10:56 AM
To: jgriffin@bonnersferry.id.gov
Subject: SCADA Upgrade Wish List

John,

I have looked into your RSVIEW32 application and have come to the following cost estimates and items for discussion. After you have time to digest this brief description, give me a call to discuss your questions or comments. We can fine tune and I can give a more formal quotation if necessary. Sorry it has taken a while to compile the estimates.

1. Dialer Software (Win-911)
 - a. Software - \$1,250
 - b. Dialogic Card - \$1,000
 - c. Engineering - \$1,800
 - d. We can upgrade to Specter Instruments-Win911 Dialer software and use the existing voice card (Dialogic) in another computer or purchase another voice card for the new computer.

2. RSVIEW32 Conversion
 - a. FactoryTalkView SE Station 100 Screens (Runtime) - \$2,000
 - b. FactoryTalkView Studio (Development) - \$2,300
 - c. New Server Grade PC and 24" Widescreen Monitor - \$2,500
 - d. Engineering and Installation - \$12,300

After looking at this application, there are quite a few items which are custom to this application. This is not a straight forward conversion, so there will have to be some changes to accommodate the custom application.

- a. There are about 85 screens as a part of the application, so we will want to convert them through the software conversion process and then check the functionality of all screens. As a part of the conversion, we are moving from a square screen to a widescreen, so we will have to center and expand screens as needed.
- b. Three of the lift stations are on telephone and are using a Master driver through RSLinx Classic and the Datalink modems on the PC. On the new system, RSLinx Classic does not support a Master driver on 64 bit operating systems. We can either move the master communications to the serial port of the CompactLogix Processor or convert the stations to Ethernet and directly access the stations.
- c. The VBA in the RSVIEW32 application will either be adapted to the new system or we will add screens to give the same functionality.
- d. The FactoryTalkView SE Station 100 software price reflects a 50% off of list price, since we are upgrading from RSVIEW32.

3. FactoryTalk SE Historian
 - a. Historian 250 Tags - \$4,500
 - b. Datalink Excel Add-in (Excel Reports) - \$390
 - c. Engineering - \$3,000

Instead of using the built in logging feature, add the Historian software package and Dalalink Add-in for data access. We will add a list of log tags (up to 250) and create one report (depends upon complexity). The Historian will be installed on the same computer as the FactorytalkView SE computer.

4. Remote Access

- a. Apple Ipad with Verizon or AT&T Sim Card and Case – Approx \$900 Each
- b. Logmein – Free
- c. Engineering – Included in RSView32 Conversion Price

We will setup the Logmein on the PC and Ipad for remote access. This will give access the SCADA system anywhere there is cell phone coverage.

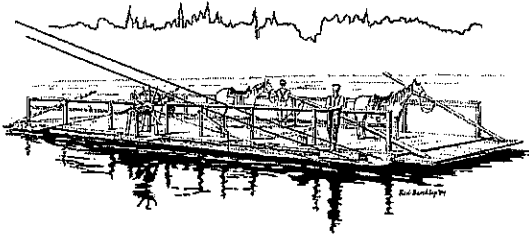
5. Radio Upgrade

Before we can give an estimate, we will have to see if we can get access to a Blue Sky tower and perform some time of survey with test radios or radio test equipment.

I look forward to hearing back from you to discuss the above items.

Thanks,
Eric Fox
Partner/Control Engineer

Applied Solutions, LLC
104 S. Freya Street
Suite 314A, Orange Flag Bldg.
Spokane, WA 99202
Office: 509.533.0982
Cell: 509.951.1620
Fax: 509.533.0923



MEMO

CITY OF BONNERS FERRY
CITY ADMINISTRATOR

Date: 17 January 2014
To: City Council
From: Stephen Boorman, City Administrator
Subject: Visitor Center Elevator Repair.

This memo is to recommend that the City contract with Northwest Elevator for a repair of a hydraulic leak on the Visitors Center Elevator. We received a quote of \$1,209 from Northwest Elevator and \$4,400 from Otis Elevator.

STB

INDEPENDENT CONTRACTOR AGREEMENT

AGREEMENT made between CITY OF BONNERS FERRY, a political subdivision of the state of Idaho, herein "ENTITY" and Northwest Elevator & Contracting, Inc herein "CONTRACTOR",

THE PARTIES AGREE AS FOLLOWS:

1. **CONTRACT:** ENTITY hereby employs CONTRACTOR as an independent contractor to complete and perform the following project and work:

Visitors Center Elevator repairs

CONTRACTOR agrees to provide all materials and services for the project in accordance with the attached written specifications.

AS DIRECTED BY THE ENTITY.

2. **TIME OF PERFORMANCE AND TERMINATION:** Parties agree that:

CONTRACTOR shall complete the project by December 31, 2012.

CONTRACTOR will commence work on the project on _____, 20____ and continue until this Agreement is terminated by _____ days written notice by either party.

CONTRACTOR will work at various times as directed by the City from 1 JANUARY 2014 and continue until 31 DECEMBER 2014 unless this Agreement is terminated by thirty (30) days written notice by either party.

3. **COMPENSATION:** ENTITY agrees to pay CONTRACTOR as compensation:

The sum of \$ 1,209, payable upon receipt of materials, invoice and acceptance by ENTITY for the existing hydraulic leak. Further work to be by mutual agreement.

4. **INDEPENDENT CONTRACTOR:** The parties agree that CONTRACTOR is the independent contractor of ENTITY and in no way an employee or agent of ENTITY and is not entitled to workers compensation or any benefit of employment with the ENTITY. ENTITY shall have no control over the performance of this Agreement by CONTRACTOR or its employees, except to specify the time and place of performance, and the results to be achieved. ENTITY shall have no responsibility for security or protection of CONTRACTOR'S supplies or equipment. CONTRACTOR agrees to pay and be responsible for all taxes due from the compensation received under this contract.

5. **WARRANTY:** CONTRACTOR warrants that all materials and goods supplied under this Agreement shall be of good merchantable quality and that all services will be performed in a good workmanlike manner. CONTRACTOR acknowledges that it will be liable for any breach of this warranty.

6. **INDEMNIFICATION:** CONTRACTOR agrees to indemnify, defend, and hold harmless ENTITY, and its officers, agents and employees, from and against any and all claims, losses, actions, or judgments for damages or injury to persons or property arising out of or in connection with the acts and/or any performances or activities of CONTRACTOR, CONTRACTOR'S agents, employees, or representative under this agreement.

7. **INSURANCE:** CONTRACTOR agrees to obtain and keep in force during its acts under this agreement a comprehensive general liability insurance policy in the minimum amount of \$1,000,000 which shall name and protect CONTRACTOR, all CONTRACTOR'S employees, ENTITY and its officers, agents and employees, from and against any and all claims, losses, actions, and judgments for damages or injury to persons or property arising out of or in connection with the CONTRACTOR'S acts. CONTRACTOR shall provide proof of liability coverage as set forth above to ENTITY prior to commencing its performance as herein provided, and require insurer to notify ENTITY ten (10) days prior to cancellation of said policy.

8. **WORKER'S COMPENSATION:** CONTRACTOR shall maintain in full force and effect worker's compensation for CONTRACTOR and any agents, employees, and staff that the CONTRACTOR may employ, and provide proof to ENTITY of such coverage or that such worker's compensation insurance is not required under the circumstances.

9. **COMPLIANCE WITH LAWS:** CONTRACTOR agrees to comply with all federal, state, city, and local laws, rules and regulations.

10. **ENTIRE AGREEMENT:** This is the entire agreement of the parties and can only be modified or amended in writing by the parties.

11. **ATTORNEY FEES:** Reasonable attorney fees shall be awarded to the prevailing party in any action to enforce this Agreement or to declare forfeiture or termination of this Agreement.

DATED this _____ day of _____, 20 _____.

ENTITY:

_____ CITY OF BONNERS FERRY _____
(Governmental Entity)

CONTRACTOR:

By _____
(Name)

By _____
Dave Anderson MAYOR _____

Its _____
(Title or Office)

ATTEST:

Kris Larson, Clerk

WITNESS:

(Signature of Witness or Notary Public)

Form and content approved by _____ as attorney for _____
(Governmental Entity).

NORTHWEST ELEVATOR & CONTRACTING INC

Estimate

"Idaho's Elevator Company"

9323 N Government Way PMB #103, Hayden, ID 83835
 Bus (208) 762-4165 Fax (208) 762-4122

Public Works Contractor #005942-C-4
 Electrical Contractor #ELE-C-25139

Name/Address
Bonners Ferry Visitor Center c/o City of Bonners Ferry Attn: Steve Boorman PO Box 149 Bonners Ferry, ID 83805

Date	Estimate No.	Phone
12/30/13	20422	267-0357

Item	Description	Total
Repairs	Labor & Materials to replace two vitaulic fittings to correct leak.	1,209.00
Thank you for the opportunity to quote this job!		Total \$1,209.00

OTIS

DATE: 11/26/2013

TO:
City Of Bonners Ferry
7232 Main St
Po Box 149
Bonners Ferry, ID 83805

FROM:
Otis Elevator Company
E. 510 North Foothills Dr.
Spokane, WA 99207

Dustin Enevold
Phone: (509) 483-7328
Fax: (509) 483-7273

EQUIPMENT LOCATION:
Visitors Center
Bonners Ferry
Bonners Ferry, ID 83805

PROPOSAL NUMBER: DXE131126055415

MACHINE NUMBER(S) : D91000

We will provide labor and material to furnish and install on the above referenced machine(s) the following:

REPLACE VIC FITTINGS

Replace two (2) vic fittings that are leaking. All work to be completed during our regular business hours.

PRICE: \$ 4,400.00
Four thousand four hundred dollars

This price is based on a fifty percent (50 %) downpayment in the amount of \$ 2,200.00.
This proposal, including the provisions printed on the last page(s), and the specifications and other provisions attached hereto shall, when accepted by you below and approved by our authorized representative, constitute the entire contract between us, and all prior representations or agreements not incorporated herein are superseded.

Submitted by: Dustin Enevold
Title: Account Manager

Accepted in Duplicate

CUSTOMER
Approved by Authorized Representative

Otis Elevator Company
Approved by Authorized Representative

Date: _____

Date: _____

Signed: _____

Signed: _____

Print Name: _____

Print Name: Erik Jensen

Title: _____

Title: Branch Manager

E-mail: _____

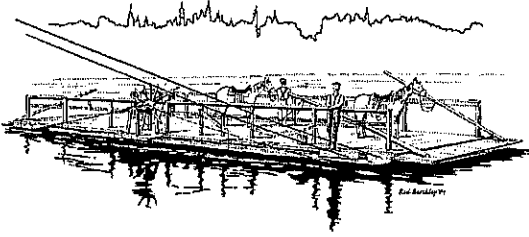
Name of Company _____

Principal, Owner or Authorized Representative of Principal or Owner

Agent: _____
(Name of Principal or Owner)

TERMS AND CONDITIONS

1. This quotation is subject to change or withdrawal by us prior to acceptance by you.
 2. The work shall be performed for the agreed price plus any applicable sales, excise or similar taxes as required by law. In addition to the agreed price, you shall pay to us any future applicable tax imposed on us, our suppliers or you in connection with the performance of the work described.
 3. Payments shall be made as follows: A down payment of fifty percent (50 %) of the price shall be paid by you upon your signing of this document. Full payment shall be made on completion if the work is completed within a thirty day period. If the work is not completed within a thirty day period, monthly progress payments shall be made based on the value of any equipment ready or delivered, if any, and labor performed through the end of the month less a five percent (5%) retainage and the aggregate of previous payments. The retainage shall be paid when the work is completed. We reserve the right to discontinue our work at any time until payments shall have been made as agreed and we have assurance satisfactory to us that subsequent payments will be made when due. Payments not received within thirty (30) days of the date of invoice shall be subject to interest accrued at the rate of eighteen percent (18%) per annum or at the maximum rate allowed by applicable law, whichever is less. We shall also be entitled to reimbursement from you of the expenses, including attorney's fees, incurred in collecting any overdue payments.
 4. Our performance is conditioned upon your securing any required governmental approvals for the installation of any equipment provided hereunder and your providing our workmen with a safe place in which to work. Additionally, you agree to notify us if you are aware or become aware prior to the completion of the work of the existence of asbestos or other hazardous material in any elevator hoistway, machine room, hallway or other place in the building where Otis personnel are or may be required to perform their work. In the event it should become necessary to abate, encapsulate or remove asbestos or other hazardous materials from the building, you agree to be responsible for such abatement, encapsulation or removal, and in such event Otis shall be entitled to delay its work until it is determined to our satisfaction that no hazard exists and compensation for delays encountered if such delay is more than sixty (60) days. In any event, we reserve the right to discontinue our work in the building whenever in our opinion this provision is being violated.
 5. Unless otherwise agreed in writing, it is understood that the work shall be performed during our regular working hours of our regular working days. If overtime work is mutually agreed upon and performed, an additional charge therefore, at our usual rates for such work, shall be added to the contract price. The performance of our work hereunder is conditioned on your performing the preparatory work and supplying the necessary data specified on the front of this proposal or in the attached specification, if any. Should we be required to make an unscheduled return to your site to begin or complete the work due to your request, acts or omissions, then such return visits shall be subject to additional charges at our then current labor rates.
 6. Title to any material to be furnished hereunder shall pass to you when final payment for such material is received. In addition, we shall retain a security interest in all material furnished hereunder and not paid for in full. You agree that a copy of this Agreement may be used as a financing statement for the purpose of placing upon public record our interest in any material furnished hereunder, and you agree to execute a UCC-1 form or any other document reasonably requested by us for that purpose.
 7. Except insofar as your equipment may be covered by an Otis maintenance or service contract, it is agreed that we will make no examination of your equipment other than that necessary to do the work described in this contract and assume no responsibility for any part of your equipment except that upon which work has been done under this contract.
 8. Neither party shall be liable to the other for any loss, damage or delay due to any cause beyond either parties reasonable control, including but not limited to acts of government, strikes, lockouts, other labor disputes, fire, explosion, theft, weather damage, flood, earthquake, riot, civil commotion, war, mischief or act of God.
 9. We warrant that all services furnished will be performed in a workmanlike manner. We also warrant that any equipment provided hereunder shall be free from defects in workmanship and material. Our sole responsibility under this warranty shall be at our option to correct any defective services and to either repair or replace any component of the equipment found to be defective in workmanship or material provided that written notice of such defects shall have been given to us by you within ninety (90) days after completion of the work or such longer period as may be indicated on the front of this form. All defective parts that are removed and replaced by us shall become our property. We do not agree under this warranty to bear the cost of repairs or replacements due to vandalism, abuse, misuse, neglect, normal wear and tear, modifications not performed by us, improper or insufficient maintenance by others, or any causes beyond our control. We shall conduct, at our own expense, the entire defense of any claim, suit or action alleging that, without further combination, the use by you of any equipment provided hereunder directly infringes any patent, but only on the conditions that (a) we receive prompt written notice of such claim, suit or action and full opportunity and authority to assume the sole defense thereof, including settlement and appeals, and all information available to you for such defense; (b) said equipment is made according to a specification or design furnished by us; and (c) the claim, suit or action is brought against you. Provided all of the foregoing conditions have been met, we shall, at our own expense, either settle said claim, suit or action or shall pay all damages excluding consequential damages and costs awarded by the court therein and, if the use or resale of such equipment is finally enjoined, we shall, at our option, (i) procure for you the right to use the equipment, (ii) replace the equipment with equivalent noninfringing equipment, (iii) modify the equipment so it becomes noninfringing but equivalent, or (iv) remove the equipment and refund the purchase price (if any) less a reasonable allowance for use, damage and obsolescence.
- THE EXPRESS WARRANTIES SET FORTH IN THIS ARTICLE 9 ARE THE EXCLUSIVE WARRANTIES GIVEN; WE MAKE NO OTHER WARRANTIES EXPRESS OR IMPLIED, AND SPECIFICALLY MAKE NO WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR ANY PARTICULAR PURPOSE; AND THE EXPRESS WARRANTIES SET FORTH IN THIS ARTICLE ARE IN LIEU OF ANY SUCH WARRANTIES AND ANY OTHER OBLIGATION OR LIABILITY ON OUR PART.
10. Under no circumstances shall either party be liable for special, indirect, liquidated, or consequential damages in contract, tort, including negligence, warranty or otherwise, notwithstanding any indemnity provision to the contrary. Notwithstanding any provision in any contract document to the contrary, our acceptance is conditioned on being allowed additional time for the performance of the Work due to delays beyond our reasonable control. Your remedies set forth herein are exclusive and our liability with respect to any contract, or anything done in connection therewith such as performance or breach thereof, or from the manufacture, sale, delivery, installation, repair or use of any equipment furnished under this contract, whether in contract, in tort (including negligence), in warranty or otherwise, shall not exceed the price for the equipment or services rendered.
 11. To the fullest extent permitted by law, you agree to hold us harmless, and defend us and indemnify us against any claim or suit for personal injury or property damage arising out of this contract unless such damage or injury arises from our sole negligence.
 12. It is agreed that after completion of our work, you shall be responsible for ensuring that the operation of any equipment being furnished hereunder is periodically inspected. The interval between such inspections shall not be longer than what may be required by the applicable governing safety code. Notwithstanding any other provisions hereof, if any part delivered hereunder incorporates software, the transaction is not a sale of such software; rather, you are hereby granted merely a license to use such software solely for operating the equipment for which such part was ordered. By accepting delivery of such part, you agree not to copy or let others copy such software for any purpose whatsoever, to keep such software in confidence as a trade secret, and not to transfer possession of such part to others except as a part of a transfer of ownership of the equipment in which such part is installed, provided that you inform us in writing about such ownership transfer and the transferee agrees in writing to abide by the above license terms.
 13. This Agreement constitutes the entire understanding between the parties regarding the subject matter hereof and may not be modified by any terms on your order form or any other document, and supersedes any prior written or oral communication relating to the same subject. Any amendment or modifications to this Agreement shall not be binding upon either party unless agreed to in writing by an authorized representative of each party.



MEMO

CITY OF BONNERS FERRY
CITY ADMINISTRATOR

Date: 17 January 2014
To: City Council
From: Stephen Boorman, City Administrator
Subject: Elevator Annual Inspection Contract.

This memo is to recommend that the City go with Request for Proposal (RFP) for the required annual elevator inspections. Concurrently with the RFP would require notice of termination to Otis of the existing contract.

Attached is our current elevator inspection contract.

STB

OTIS

REVIEWED BY CITY ATTORNEY

SR 65018

LUBRICATE AND SURVEY SERVICE

DATE: August 27, 2008

TO:
City of Bonners Ferry
7232 Main Street
PO BOX 149
Bonners Ferry, ID 83805

FROM: Dustin Enevold
Otis Elevator Company
510 E North Foothills Drive
Spokane, WA 99207

EQUIPMENT LOCATION:

Visitor's Center
Bonners Ferry, ID 83805

PROPOSAL NUMBER: GAL1902

EQUIPMENT DESCRIPTION:

Number of Units	Manufacturer	Type of Units	Machine Numbers
one	Thyssen Krupp	TAC 20	TBD D91000

LUBRICATE AND SURVEY SERVICE

We propose to furnish Lubricate and Survey Service on the equipment ("Units") described above. We will provide an annual survey of equipment condition and regular lubrication by a qualified examiner. Lubricate and Survey Service is not a preventive maintenance program.

Under this Contract, we will service the Units on the following terms and conditions:

COVERAGE

SURVEY

We will conduct an annual survey of the Units and provide a written report of their condition.

REGULAR VISITS

We will use trained personnel directly employed and supervised by us to visit the Units quarterly.

The visits will consist of lubrication of the following parts when conditions warrant:

- Machine bearings, gears, pumps, pump motors, operating valves, valve motors, and leveling valves.
- Selectors, governors, governor sheaves, governor tension frame sheave assemblies, and compensating sheave assemblies.
- Door operators, car door hangers, hoistway door hangers, and interlocks.
- Safeties, car and counterweight guide rails, and car and counterweight guide shoes including rollers and gibs.

EXCLUSIONS

Lubrication of parts that are not listed above is specifically excluded. This Contract does not cover adjustments, cleaning, repairs or emergency callback service. If any of these services are later requested by you, you agree to pay extra at our regular billing rates.

NORMAL HOURS

All visits will be performed during the regular working hours of our regular working days for the examiners who perform the service. If overtime services are later requested by you, you agree to pay extra at our regular billing rates.

24-HOUR DISPATCHING

We will, at your request, provide you with access to e*Service via Otis.com and our OTISLINE® 24-hour, year-round dispatching service. In the event a Unit malfunction occurs between regular examinations, you will be able to place a service call on e*Service or thru an OTISLINE® customer service representative, who will, at your request, dispatch an examiner to perform emergency minor adjustment callback service.

CUSTOMER REPRESENTATIVE

An Otis representative will be available to discuss with you your elevator needs in the areas of modernization, traffic handling ability, recommendations and requirements of code authorities, and proper use and care of the Units.

REPORTS – e*SERVICE

We will use the OMMS® program to plan and record completion of maintenance procedures. We will, at your request, provide you access to e*Service via Otis.com. You will be able to access repair, completed maintenance procedure and service call history for the Unit(s). You will be responsible for obtaining Internet access to use e*Service.

SAFETY AND ENVIRONMENT

SAFETY TESTS – TRACTION ELEVATORS

Code requires an annual no load test and at each fifth year a full load, full speed test of safety mechanisms, overspeed governors, car buffers, and counterweight buffers. These tests are not included in the Contract. You agree to conduct and pass the annual no load and five year, full load test on the Units and that this is a material duty. You agree to keep a record of such tests and to provide this record to Otis.

SAFETY TESTS – HYDRAULIC ELEVATORS

Code requires an annual no load test and annual pressure relief valve test. These tests are not included in the Contract. You agree to conduct and pass the annual no load and annual pressure relief valve test on the Units and that this is a material duty. You agree to keep a record of such tests and to provide this record to Otis.

FIREFIGHTERS' SERVICE TEST

If those elevator Units provided with firefighters' service are required by code to be tested monthly, you assume responsibility for performing and keeping a record of such tests.

SAFETY TRAINING

We will instruct our personnel to use appropriate personal protection equipment and follow safe work practices.

ENVIRONMENTAL PROTECTION

Otis endeavors to reduce generation of waste materials, to minimize risks to the environment, customers, the general public and Otis employees, and to comply with all federal and state environmental laws and regulations. Material Safety Data Sheet (MSDS) Manuals are available for review at your request.

MAINLINE DISCONNECTS

You agree to routinely service the elevator mainline disconnects located in the elevator equipment room. The maintenance will be performed by a qualified electrician at least once annually.

SHARED RESPONSIBILITY

You agree to provide us unrestricted ready and safe access to all areas of the building in which any part of the Units are located and to keep all machine rooms and pit areas free from water, stored materials, and debris. You agree to provide a safe work place for our personnel, and to remove and remediate any waste or hazardous materials in accordance with applicable laws and regulations.

You agree not to permit others to repair or replace any component part of the Units(s) during the Contract term. If any Unit is malfunctioning or is in a dangerous condition, you agree to immediately notify us using the 24-hour OTISLINE® service. Until the problem is corrected, you agree to remove the Unit from service and take all necessary precautions to prevent access or use.

You agree to properly post, maintain, and preserve any and all instructions or warnings to passengers in connection with the use of any Units.

OWNERSHIP AND LICENSES

WIRING DIAGRAMS

During the term of this Contract, we will maintain original wiring diagrams for Otis Units. Current wiring diagrams reflecting all previously made changes for non-Otis Units covered by this Contract will be provided by you and will remain your property.

OTIS SERVICE EQUIPMENT

Any counters, meters, tools, remote monitoring devices, or communication devices which we may use or install under this Contract remain our property, solely for the use of Otis employees. Such service equipment is not considered a part of the Units. You grant us the right to store or install such service equipment in your building and to electrically connect it to the Units. You will restrict access to the service equipment to authorized Otis personnel. You agree to keep the software resident in the service equipment in confidence as a trade secret for Otis. You will not permit others to use, access, examine, copy, disclose or disassemble the service equipment or the software resident in the service equipment for any purpose whatsoever. If the service is terminated for any reason, we will be given access to your premises to remove the service equipment, including the resident software, at our expense.

OTIS SOFTWARE

Software owned by Otis may be embedded in parts or otherwise provided by Otis as part of this maintenance agreement. You have the right to use this software only for operation of the units for which the part was provided. You may also make a backup or archival copy of the software, provided you reproduce the copyright notice and any other legend of ownership on the copy. You may not otherwise copy, display, adapt, modify, distribute, reverse assemble, reverse compile, or otherwise translate the software. You will not transfer possession of the software except as part of a transfer of ownership of the Units and the assumption of the rights and obligations under this agreement by the transferee.

NON-OTIS SOFTWARE

You retain your rights to any non-Otis software while contained in the Units covered under the Contract, and agree to allow Otis to make one backup or archival copy for you.

THE UNITS

It is agreed that we do not assume possession or control of the Units, that such Units remain yours solely as owner and operator, lessee, or agent of the owner or lessee, and that you are solely responsible for all requirements imposed by any federal, state, or local law, code, ordinance or regulation.

CLARIFICATIONS

We will not be required: (i) to make any tests other than that as specifically set forth herein, (ii) to make any replacements with parts of a different design or type, (iii) to make any changes in the existing design of the Units, (iv) to alter, update, modernize or install new attachments to any Units, whether or not recommended or directed by insurance companies or by governmental authorities, (v) to make repairs or replacements necessitated by failures detected during

or due to testing of escalators or buried or unexposed hydraulic cylinders or piping. Without affecting our obligation to provide service under this Contract, you agree to permit us to train our personnel on the Units. We will not be required to make any replacements, renewals, or repairs necessitated by any reason including, but not limited to, ordinary wear and tear, fire, explosion, theft, floods, water, weather, earthquake, obsolete or discontinued parts, vandalism, misuse, abuse, mischief, or repairs by others.

We will not be liable for any loss, damage or delay due to any cause beyond our reasonable control including, but not limited to, acts of government, labor disputes, strikes, lockouts, fire, explosion, theft, floods, water, weather, earthquake, riot, civil commotion, war, commercial unavailability of parts, vandalism, misuse, abuse, mischief, or acts of God.

To the fullest extent permitted by law, you agree to indemnify, hold harmless, and defend us from any claims, damages, losses, costs, and expenses (including attorneys' fees and other litigation costs) which arise in connection with the equipment covered by this Contract, except for our sole negligence.

Notwithstanding any other agreement or provision to the contrary, under no circumstances will we be liable for any indirect, special or consequential damages of any kind including, but not limited to, fines or penalties, loss of profits, loss of rents, loss of good will, loss of business opportunity, additional financing costs, or loss of use of any equipment or property, whether in contract, tort, warranty or otherwise.

SPECIAL PROVISIONS

Free Maintenance

We agree to provide maintenance at no additional charge through December 31, 2008. Commencement billing date is January 1, 2009.

Safety Tests

Hydraulic Elevators - Annual No Load Test

We will conduct an annual no load test and annual pressure relief test.

These tests impose much greater stresses on the equipment than those of normal operation. It is agreed that in making inspections or tests, you assume any and all liability for personal injury (including death) or property damage because of the action or failure of any part of the elevator equipment. If repairs are necessary to obtain proper operation of the equipment to meet the requirements of these tests, such work will be an extra to the Contract.

Payment Frequency

Beginning on the Effective Date, payments will be due and payable on or before the first day of the contract year in which services are rendered beginning on the Commencement Date. Beginning on the Effective Date, payments will be due and payable on or before the first day of the contract year in which services are rendered beginning on the Commencement Date. If an alternate payment plan is selected other than the standard annual payment, the following additional cost will be applied to the net billing amount:

Billing Frequency	Add to Contract Price	Selection	Initial
Semiannual	1%	<input type="checkbox"/>	_____
Quarterly	3%	<input type="checkbox"/>	_____
Monthly	4%	<input type="checkbox"/>	_____

Customer may terminate agreement with Otis at any time by giving Otis a minimum of 90 days written notice.

CONTRACT PRICE AND TERM

CONTRACT PRICE

Seventy Five and 00/100 Dollars (\$75.00) per month

PRICE ADJUSTMENT

The Contract Price will be adjusted annually to reflect increases or decreases in material and labor costs.

The original Contract Price will be increased or decreased by the percent increase or decrease in the straight time hourly labor cost for the price adjustment month compared with such straight time hourly labor cost on **1/1/08** which was **\$63.877**. The phrase "straight time hourly labor cost" means the sum of the straight time hourly labor rate plus the hourly cost of fringe benefits paid to elevator examiners in the locality where the equipment is to be maintained.

TERM

The Commencement Date will be **January 1, 2009**. The Term of this Contract will be for five (5) years beginning on the Commencement Date. The Contract will automatically be renewed at each anniversary for an additional five (5) years term unless terminated by either party by giving written notice by way of certified mail to the other party at least ninety (90) days prior to the end of the then current five (5) years term.

PAYMENTS

Payments will be made on a annual basis, due on or before the last day of the month prior to the billing period, beginning on the Commencement Date.

The method of payment will be by check. To enable us to process direct debit payments, you agree to provide a copy of a voided check from your business bank account.

The work shall be performed for the agreed price plus any applicable sales, excise or similar taxes as required by law. In addition to the agreed price, you shall pay to us any future applicable tax imposed on us, our suppliers or you in connection with the performance of the work described.

You agree to pay a late charge from the date such sums become due of one and one-half percent (1.5%) per month, or the highest legally permitted rate, whichever is less, on any balance past due for more than thirty (30) days, together with all costs (including, but not limited to, attorneys' fees) incurred by us to collect overdue amounts.

Failure to pay any sum due by you within sixty (60) days will be a material breach. We may at our option declare all sums due or to become due for the unexpired term immediately due and payable as liquidated damages, and until the same are paid be discharged from further obligations under the contract.

ACCEPTANCE

This proposal, when accepted by you below and approved by our authorized representative, will constitute the entire and exclusive contract between us for the services to be provided and your authorization to perform as outlined herein. All prior or contemporaneous oral or written representations or agreements not incorporated herein will be superseded. Any purchase order issued by you in connection with the services to be provided will be deemed to be issued for your administrative or billing identification purposes only, and the parties hereto intend that the terms and conditions contained herein will exclusively govern the services to be provided. We do not give up rights under any existing contract until this proposal is fully executed. This Contract may not be changed, modified, revised or amended unless in writing signed by you and an authorized representative of Otis. Further, any manual changes to this form will not be effective as to Otis unless initialed in the margin by an authorized representative of Otis.

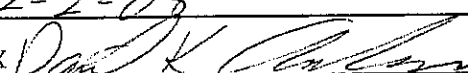
THIS QUOTATION is valid for ninety (90) days from the proposal date.

Submitted by: 
for **Dustin Enevold**

Accepted in Duplicate

CUSTOMER

Approved by Authorized Representative

Date: 12-2-08
Signed: X 

Print Name: David K. Anderson

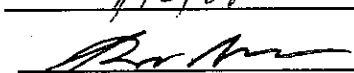
Title: Mayor

E-mail: sboorman@bonnersferry.id.gov

Name of Company: City of Bonners Ferry

OTIS ELEVATOR COMPANY

Approved by Authorized Representative

Date: 1/12/09
Signed: 

Print Name: Robert McLeese

Title: Branch Manager

- Principal, Owner or Authorized Representative of Principal or Owner
- Agent _____
(Name of Principal or Owner)

OTIS

CONTRACT ADDENDUM

DATE: 01/05/2010

TO:
City of Bonners Ferry
7232 Main Street
PO Box 149
Bonners Ferry, ID 83805

FROM:
Otis Elevator Company
510 E North Foothills Drive
Spokane, WA 99207

EQUIPMENT LOCATION:
VISITORS CENTER
BONNERS FERRY
BONNERS FERRY, ID 83805

Dustin Enevold
Phone: (509) 483-7328 ext 11
Fax: (509) 483-7273

CONTRACT NUMBER: SR 65018

CONTRACT DATE:

We propose the following modification to the Contract referred to above, to take effect as of: 1/1/2010

PRICE ADJUSTMENT

Effective January 1st, 2010 contract price is \$79.50 per month. Annual price adjustments are not to exceed six (6) percent.

This proposal, when accepted by you below and approved by our authorized representative, will become binding as an addendum and modification to the Contract. All other terms, conditions and obligations in the Contract referred to are to remain in full force and effect. This quotation is valid for ninety (90) days from the proposal date.

Submitted by: Dustin Enevold

Title: Account Manager

Accepted in Duplicate

CUSTOMER

Approved by Authorized Representative

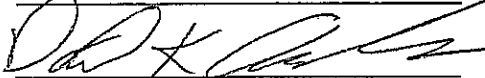
Otis Elevator Company

Approved by Authorized Representative

Date: 1-5-10

Date:

Signed:



Signed:



Print Name: ~~XXXX XXXXX~~ David K. Anderson

Print Name: Jason Barnes

Title: Mayor

Title: General Manager

E-mail: sboorman@bonnersferry.id.gov

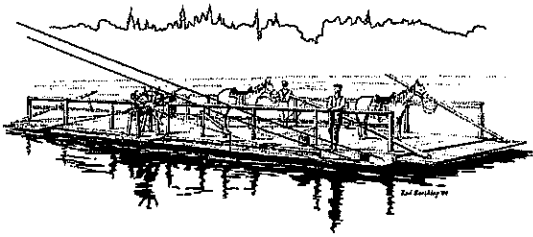
Name of Company: City of Bonners Ferry

Principal, Owner or
Authorized Representative of Principal or Owner

Agent:

(Name of Principal or Owner)

CONTRACT ADDENDUM



MEMO

CITY OF BONNERS FERRY
CITY ADMINISTRATOR

Date: 17 January 2014
To: City Council
From: Stephen Boorman, City Administrator
Subject: Debris Booms for the Moyie Reservoir.

This memo is to recommend that the City purchase approximately \$13,000 worth of debris booms for the reservoir. This would only be installed during years of high flows and excessive drift on the river. The existing wood ones have rotted and are no longer serviceable.

STB

Worthington Products, Inc.

www.tuffboom.com



GS-07F-0069M

TO: Mr. Kevin Cosairt
Journeyman Lineman
City of Bonners Ferry Electric Department
792 Canyon View Road
Moyie Springs, ID 83845
Tel: (208) 267-4382

Email: electricguys@bonnersferry.id.gov

Quotation

Quotation Number: JS140107-3	Payment: Net 30 days
Date: 1/7/2014	Shipping: F.O.B. Destination, Freight prepaid
Project Ref: Moyie Dam	Delivery: 4 Weeks

Worthington Products, Inc. STANDARD TERMS AND CONDITIONS OF SALES AND DELIVERY, REV 0305 apply to this quotation.

Line No.	Description	Qty	Unit Price	Total Price
1	TUFFBOOM Waterway Barrier Length: 128" (3.25m) end to end of bottom plates , interior: closed-cell foam UV inhibitors , longitudinal ribbing, Internal C4 x 5.4#/ft steel channel. Color: safety orange or yellow	18	467.00	8,406.00
2	Standard Interboom Connection Package Includes: Two (2) 5/8" x 3" x 17.3" bottom connector plates, Two (2) 3/4" load rated safety shackles, One (1) 3/4" load rated weldless link. All components hot dip galvanized. Part No.: CON-A	18	105.00	1,890.00
			Sub-Total Primary Items:	10,296.00
Options & Accessories:				
			TOTAL (USD):	10,296.00
Shipping & Handling:		<i>Estimated Freight Only. Subject to Fuel Surcharges.</i>		2,180.00

ISSUE PURCHASE ORDER TO:

Worthington Products Inc.
3405 Kuemerle Ave NE
Canton, Ohio 44705-5074 (USA)
Tel: (800) 899-2977 / Fax: (330) 452-7495
On the Web: www.tuffboom.com

QUESTIONS/COMMENTS PLEASE CONTACT:

Shane Scott
S. Scott & Associates
Vancouver, WA
Tel: (360) 601-2391 / Fax: (360) 571-3320
email: sscott@tuffboom.com

Thank you for allowing Worthington Products this opportunity to offer TUFFBOOM.

Our new address for receiving customer payments via MAIL and in US Dollars is:
Worthington Products, Inc.,
L-3568, Columbus, OH 43260-0001

CONFIDENTIAL – NOT FOR PUBLIC RELEASE

Worthington Products, Inc. expressly **FORBIDS** the public release in any way, shape or form, the pricing data contained in this bid. (ref: Terms & Conditions)

Per: Jeffrey S. Sanger January 7, 2014

- 1. CONFIDENTIALITY** - The prices quoted by Worthington products are intended only for the use of the individual or entity to which they are addressed and may contain sensitive, proprietary or information that is legally privileged, confidential and exempt from disclosure. Worthington hereby strictly forbids the public disclosure in any format of any of the pricing data contained in this quotation as such disclosure could result in material damage to Worthington Products, Inc., its affiliates and ability to continue as an ongoing entity.
- 2. PRICES** - Prices quoted by Worthington are subject to change without notice after thirty (30) days from the day of quotation. All prices are subject to adjustment on account of specifications, quantities, shipment arrangements, or other terms and conditions which are not part of the original price quotation. Quotations are made on the basis of the product sheet(s) provided by Worthington. Any deviation from the attached product data sheet(s) shall be considered by Worthington as a change, and additional costs, if any, shall be added accordingly.
- 3. QUANTITIES** - The quantities indicated on the sales order are based upon the purchaser's purchase order. Worthington accepts no responsibility for differences between quantities supplied and those actually used upon the purchaser's project.
- 4. TAXES** - Prices are exclusive of all excise, sales, use, and other applicable taxes imposed by any federal, state, provincial, or municipal authority in connection with the production, processing, sale, use, shipment or delivery of products by Worthington. Buyer understands and accepts that any taxes due are to be self-assessed by the buyer and remitted in accordance with laws and regulations in effect for buyer's state, province or region.
- 5. CREDIT APPROVAL** - Shipments deliveries and performance of work shall at times be subject to the approval of the Sellers Credit Department. The Seller may at any time decline to make any shipments or delivery or perform any work except upon receipt of payment of security or upon terms and conditions satisfactory to SELLER.
- 6. PAYMENT TERMS** - Subject to the provisions of CREDIT APPROVAL above, payment terms are net 30-days from the date of invoice. Payment terms are not dependent upon the buyers receipt of funds from project owner. All invoices not paid with our net thirty (3) day term shall be assessed a service charge of ½% per month (18% per annum) until paid. Worthington reserves the right at any time to revoke any credit extended to the purchaser for any reason, and may require full or partial payment in advance on any order. Failure to make such payment in advance shall entitle Worthington to cancel such order and shall further entitle Worthington to a reasonable cancellation charge. Worthington will issue invoices on delivery in the case of all products sold; and if deliveries are made in installments, each shipment shall be invoiced and paid for when due without regard to other scheduled deliveries. The rights of Worthington under this Paragraph are cumulative and in addition to all rights available to it at law or in equity.
- 7. DELIVERY**
- A. All prices are quoted F.O.B. Canton, Ohio or point of manufacture unless otherwise indicated on this quotation..
- B. Worthington shall not be liable for any damages or penalty for delay in delivery or failure to give notice of delay when such is due to the elements, acts of God, acts of the purchaser, acts of civil or military authority, fires or floods, epidemics or quarantine restriction, wars, riots, strikes, lockouts, breakdowns, labor disputes, delays in transportation, delay in delivery to Worthington by its vendors, or any other cause beyond the reasonable control of Worthington; and the schedule for delivery otherwise pertaining to any products shall, in such event, be considered extended by a period of time equal to the time lost because of any delay which is excusable under this clause.
- C. Ownership of products shall pass to the purchaser upon delivery thereof by Worthington to the purchaser or its carrier; provided that the purchaser DOES hereby grant to Worthington a security interest in the products as security for the performance by the purchaser of all its obligations hereunder together with the right, without liability, to repossess the products, with or without notice, in the event of default of any such obligation.
- D. Products held or stored by Worthington for the purchaser shall be at the sole risk of the purchaser, and the purchaser shall be liable for the expense to Worthington for holding or storing the products at purchaser's request.
- 8. CLAIMS FOR LOSSES, DAMAGE, AND SHORTAGES** - Purchaser shall notify Seller, in writing, of any shortage or damage within 12-hours of receipt of goods. Failure to give such notice shall constitute unqualified acceptance and the waiver of all such claims by the purchaser.
- 9. SHIPMENT**
- A. In the absence of specific instructions to the contrary, Worthington shall select a carrier or other means of transportation in routing for shipment of its products; provided, by doing so, Worthington shall not thereby assume any liability in connection with shipment, nor shall a carrier in any way be construed to be the carrier of Worthington, and shall be at the purchaser's entire risk after delivery by Worthington to the carrier, and all insurance and transportation charges shall be paid by the purchaser.
- B. On all shipments where prepayment shall be required, Worthington shall add freight charges to the invoice together with a 10% service charge.
- 10. FORCE MAJEURE** Neither party shall be held liable in damages or have the right to terminate this Agreement for any delay or default in performing hereunder if such delay or default is caused by conditions beyond its control including, but not limited to Acts of God, Government restrictions (including the denial or cancellation of any export or other necessary license), wars, insurrections and/or any other cause beyond the reasonable control of the party whose performance is affected.
- 11. RETURNS AND CANCELLATIONS**
- A. No returns shall be accepted for credit or exchange without prior written approval of Worthington. For any returned merchandise for which failure analysis or credit is requested, it is the policy of Worthington that these items be returned against a Return Materials Authorization (RMA). To obtain an RMA number, the customer shall contact Worthington or its representative and request the same.
- B. All materials returned for any reason, except factory errors, shall be subject to a minimum charge of 25% together with an offset for transportation charges in and out of the factory or warehouse. Worthington shall accept only unused materials/equipment in first class, resaleable condition and of current design, which had been invoiced to the purchaser within the past twelve months. It shall be the responsibility and obligation of the purchaser to pack returned materials/equipment properly in order that it may reach Worthington in good condition.
- C. All cancellations hereunder shall be subject to reasonable charges.
- D. Under no circumstances shall Worthington accept any cancellation or return of materials/equipment manufactured exclusively to the specifications of purchaser.
- 12. EXPORT AND RESALE COMPLIANCE:** Prior to the acceptance of any purchase order and certainly before any authorization to release goods for shipment, purchaser will be required to sign and certify that it will not reexport, resell, or otherwise dispose of any of the goods supplied by Worthington Products, Inc. (1) to any country not approved for export by the United States or (2) to any person if we (Worthington) know or suspect that such goods will result directly, or indirectly, in any disposition of the goods/items contrary to any statements made to Worthington Products or contrary to US Export Administration Regulations.

Worthington Products, Inc.

www.tuffboom.com

SPECIFICATIONS

TUFFBOOM WATERWAY BARRIERS

Ver. 012013R1

Worthington Products, Inc. is pleased to provide the attached specifications for use in your waterway barrier project. Should you also require standard submittal drawings, please call us at (330) 452-7400 or send an email to sales@tuffboom.com.

Worthington Philosophy on Specifications

Whereas we certainly appreciate when our product is specified by name, we recognize that a successful project outcome for our clients is the result of proper planning by the project owner as well as a complete understanding by the waterway barrier manufacturer of the operational conditions for which the booms will be exposed. Therefore, we are providing two (2) versions of specifications for your use. Although similar, the first version is a straight-forward product specification where you know what you want and that's it. Version 2 is a true performance based specification that requires the manufacturer of the waterway barriers to demonstrate with his bid that the product being quoted is suitable for use in the intended application.

There are no copyright restrictions on either of these specifications so feel free to share and modify as you see fit.

For questions, comments or to receive additional technical assistance please call or email Worthington Products.

Main Office

3405 Kuemerle Ave NE
Canton, OH 44705-5009
Tel: 330.452.7400
Email: sales@tuffboom.com
Fax: 330.452.7495



Engineering Office

680 Warsaw Ave.
Winnipeg, MB R3M 1C7
Tel: 705.542.5108
Email: sales@tuffboom.com
Fax: 330.452.7495

VERSION 1: PRODUCT SPECIFICATION

Specification: WPIWB201301-VER1

Waterway Barriers (booms):

Waterway Barriers shall be new units not previously used for any other purpose. Waterway Barrier shall be supplied by a manufacturer with not less than 5-years' experience providing waterway barriers for the specified purpose.

Booms shall be designed such that the minimum tensile resistance is 54,000 lbs. Equipment supplier shall certify to owner that the minimum tensile resistance is 54,000 lbs.

Booms shall be cylindrical in shape and be UV-stabilized for long-term environmental exposure.

Booms shall include recessed longitudinal ribbing to provide impact strength and load resistance.

Booms units shall be of a modular design such that each barrier with all hardware attached can be carried by two adults.

Boom units shall be designed such that they resist rolling.

Length of each flotation unit is to be approximately 10 feet (3 meters).

Boom floats should have a minimum 12 inches (30.5 cm) of freeboard in still water conditions.

Distance between boom floats when tied together may not exceed 15 inches (38 cm).

The boom floats shall be *International Orange* as designated in U.S. Federal Standard 595 color #FS-12197. In Canada, boom floats shall be yellow using Transport Canada's color standard of U.S. Federal Standard for Government Procurement, Colors: Vol. 1, FED-STD-595B, Color Specifications, Yellow #13655.

The total weight of each barrier float with all hardware attached shall be between 135 – 150 lbs (61 - 70 kg).

The external encasement of each boom shall be rotationally molded using linear low density polyethylene or linear medium grade polyethylene. Polyethylene encasement shall have a minimum density of 0.935 g/cm³ as determined by ASTM D1505-68 and be UV-stabilized for long-term environmental exposure. The nominal wall thickness of the polyethylene encasement shall be 0.170-inch.

The external encasement shall include an end cap plate that includes a recessed member that slides into the boom encasement. The end cap plate shall be both welded in place and secured additionally via rivets.

Booms shall contain an internal structural full length steel channel through which all external inter-boom connections are attached. Structural steel channel shall meet the following minimum requirements:

- Material: ASTM A572, Grade 50 Steel
- Weight: 5.4 lbs/foot (8.04 kgs/meter)

Internal channel is to be secured in place using A325 Structural steel bolts and a heavy-wall external flat plate. Materials that are molded in place or through wall mold-in channels or plates are not permitted.

Boom floats must include a solid foam core filled to prevent sinking. If punctured, they should maintain the above freeboard conditions. Foam core shall meet the requirements of ASTM C-578 and shall have a minimum in-place density of 0.9 pounds per cubic foot. Water absorption of foam core shall not exceed 3% by volume as tested per ASTM C-272. Foam fill must take up a minimum of 95% of the interior volume of the boom.

Connections between boom units shall consist of external galvanized steel connector plates secured in-place to the internal steel channel using galvanized ASTM A325 structural steel bolts. Equipment supplier shall certify to owner that the minimum tensile resistance is 54,000 lbs. The connector plates shall include a hole of sufficient size and location to accommodate a hot-dipped galvanized steel shackle.

The galvanized steel connecting shackle shall have a working load limit of not less than 4-3/4 tons (US). All shackles should be securely bolted and secured using a heavy-hex castle nut and held in place with a straight galvanized steel cotter pin. The use of dissimilar metals shall not be permitted. Manufacturer shall be able to provide certified test results of the load capacity of connection

A galvanized steel weldless link with a working load limit of 4-3/4 tons (US) shall connect the shackles at the end of each boom connector plate.

Manufacturer shall submit to owner the maximum allowable tension in the interconnecting links and shall confirm the rating of such links.

Hot dipped galvanizing should be in accordance to the current version of ASTM A 123/A 123M and ASTM A 153/A 153M as applicable.

Graphics, if required, are to be millennium type Mold-In graphics, Arial, font, all caps, black, boldfaced font and shall be placed on the upstream face of the boom unit.

Debris Screens, if required, shall adhere to specification WPI201301DSS-REV1.

Waterway barrier shall be equivalent to the TUFFBOOM system as Manufactured by Worthington Products, Inc. (330-452-7400) of Canton, Ohio or approved equal.

END.

VERSION 2: PERFORMANCE SPECIFICATION

Specification: WPIWB201301-VER2

Waterway Barriers (booms)

Waterway barriers, associated products and all connection hardware shall be designed to meet or exceed the following operational conditions. Manufacturer shall submit through drawings, calculations and or test results proof that the products being offered are suitable to withstand the conditions below:

1. Location Type(select one): River / Reservoir / Ocean
2. Purpose(Select all that apply): Debris / Safety / Ice
3. Depth of water at boom location:..... _____ Feet / _____ Meter
4. Average water operating level: _____ Feet / _____ Meter
5. Design Low Water Level: _____ Feet / _____ Meter
6. Design High Water Level: _____ Feet / _____ Meter
7. Design surface water velocity at boom: _____ fps / _____ mps
8. Water type (select one):..... Fresh / Salt / Brackish / High pH
9. Design Wind Velocity: _____ mph / _____ kmh
10. Wave Condition:
11. Ice conditions:
12. Seasonal or Permanent:
13. Position of booms to flow:
14. Distance between shoreline and anchors (avg):..... _____ Feet / _____ Meter
15. Boom Line design sag Ratio: 0.15

Waterway Barriers (booms):

Waterway Barriers shall be new units not previously used for any other purpose. Waterway Barrier shall be supplied by a manufacturer with not less than 5-years' experience providing waterway barriers for the specified purpose.

Booms shall meet the following requirements:

- a) The polyethylene shell shall have a minimum density of 0.935 g/cm³ as determined by ASTM D1505-68 and be UV-stabilized for long-term environmental exposure.
- b) The nominal wall thickness of the polyethylene encasement shall be 0.170-inch.
- c) The shell shall be *International Orange* as designated in U.S. Federal Standard 595 color #FS-12197. In Canada, the shell shall be yellow using U.S. Federal Standard for Government Procurement, Colors: Vol. 1, FED-STD-595B, Color Specifications, Yellow #13655.
- d) Nominal diameter of 16" (400 mm)
- e) Nominal Length of 120" (3048 mm)
- f) Provides a minimum freeboard in standing water of 12" (300 mm).
- g) Spacing between floats shall be no greater than 15" (381 mm).
- h) Designed to maintain minimum freeboard even if punctured.
- i) Minimum submerged buoyancy of 700 lbs (317 kgs).
- j) Cylindrical in shape with incorporated inverted longitudinal ribbing for strength and impact resistance.
- k) Modular design such that each barrier with all hardware attached can be carried by two adults.
- l) Boom units shall be designed such that they resist rolling by incorporating an internal full length structural steel

channel per ASTM A572, Gr 50 and weighing not less than 5.4 lbs/foot (8.04 kgs/m). Materials that are molded in place or through wall mold-in channels or plates are not permitted.

- m) The total weight of each barrier float with all hardware attached shall be between 135 – 150 lbs (61 - 70 kg).
- n) Internal foam core shall meet the requirements of ASTM C-578 and shall have a minimum in-place density of 0.9 pounds per cubic foot. Water absorption of foam core shall not exceed 3% by volume as tested per ASTM C-272. Foam fill must take up a minimum of 95% of the interior volume of the boom.
- o) All connection hardware shall be hot-dipped galvanized in accordance to the current version of ASTM A 123/A 123M and ASTM A 153/A 153M as applicable.
- p) Graphics, if required, are to be millennium type Mold-In graphics, Arial, font, all caps, black, boldfaced font and shall be placed on the upstream face of the boom unit

Booms shall include external Bottom Steel Connector plates that meet the following requirements:

- a) Fabricated from ASTM A572 Grade 50 structural galvanized steel and designed to meet the design operational conditions.
- b) Designed to be firmly fixed in place such that it will not slide or move from its original position.
- c) Manufacturer shall submit calculations to verify that connections of bottom plate to boom meet a minimum tensile resistance load of 54,000 lbs.

Inter-boom connection hardware shall meet the following requirements:

VERSION 2: PERFORMANCE SPECIFICATION

Specification: WPIWB201301-VER2

- a) Connections are designed to meet the design operational conditions with a specified factor of safety and be engineered to minimize wear and maximize load bearing capacity. The supplier must provide testing certificates attesting to load capability of connectors.
- b) Be of galvanized steel construction. The use of non-metallic materials such as PVC belting or other materials that can be easily torn, cut, ripped or subject to environmental degradation are not acceptable.
- c) Manufacturer to indicate connecting link type and provide a visual diagram verifying set-up.
- d) All shackles used in the connection of boom units must include a heavy-wall hex type castle nut with corrosion resistant cotter pin and locking washer. All materials must be selected such that dissimilar metals will not be in contact with each other.
- e) Connections shall be designed to permit free movement in all directions.

The supplier shall provide the reaction loads at each end of the boom line and certify with its bid that the boom and connecting hardware meet or exceed the calculated design loads.

The supplier shall provide testing certificates from an independent laboratory verifying the strength of the connecting hardware and materials used.

Debris Screens, if required, shall adhere to specification WPI201301DSS-REV1.

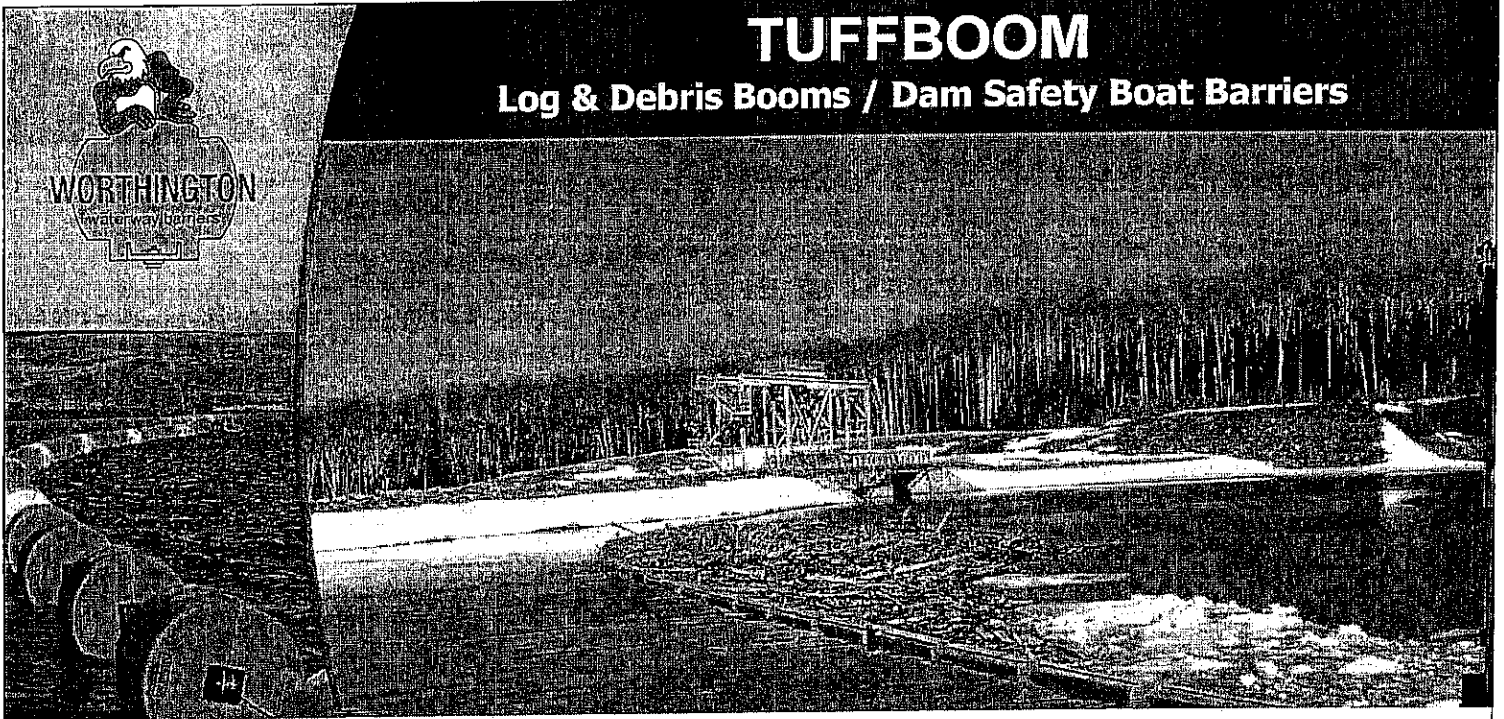
Waterway barrier shall be equivalent to the TUFFBOOM system as Manufactured by Worthington Products, Inc. (330-452-7400) of Canton, Ohio or approved equal.

END.



TUFFBOOM

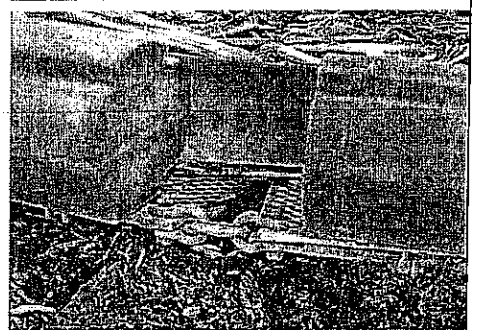
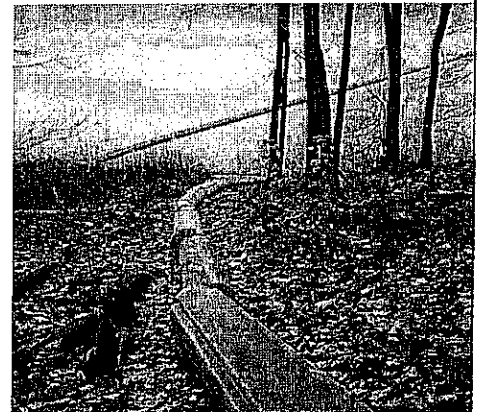
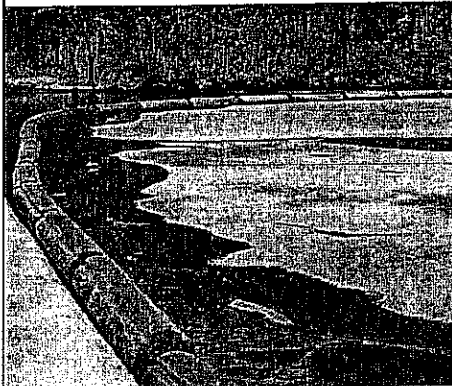
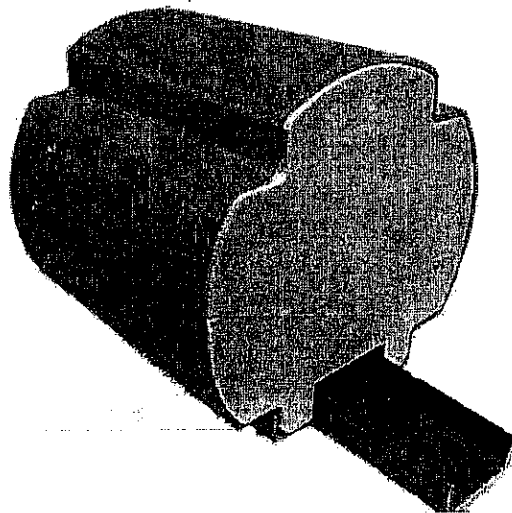
Log & Debris Booms / Dam Safety Boat Barriers



TUFFBOOM barriers are the choice of dam operators worldwide when it comes to controlling surface debris and satisfying regulatory guidelines for dam safety. These 10' (3m) modular units link together to form unlimited length boom lines. Accessories include high visibility mold-in graphics, hanging debris skirts, plates to close the gap between booms, boat gates, solar lights and more.

TUFFBOOM is made from thick-walled, UV resistant resin. Each boom includes a high load bearing internal steel channel through which all boom-to-boom connections are bolted. Each boom is fully filled with closed-cell foam making these booms truly unsinkable.

Whether your goal is to stop a 50' (15m) long tree or keep boaters a safe distance from your dam, the solution is simple. The solution is **TUFFBOOM**



Call | 800.899.2977

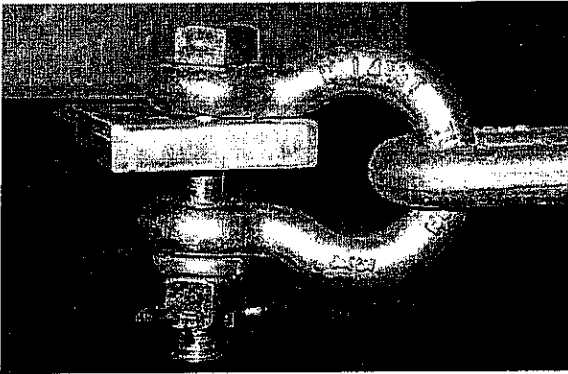
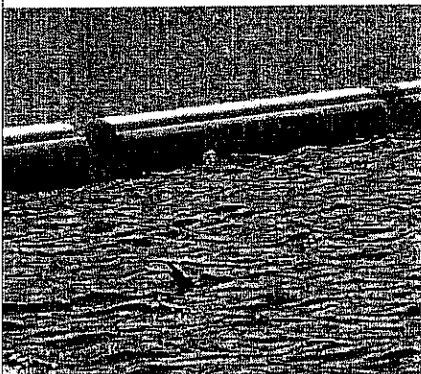
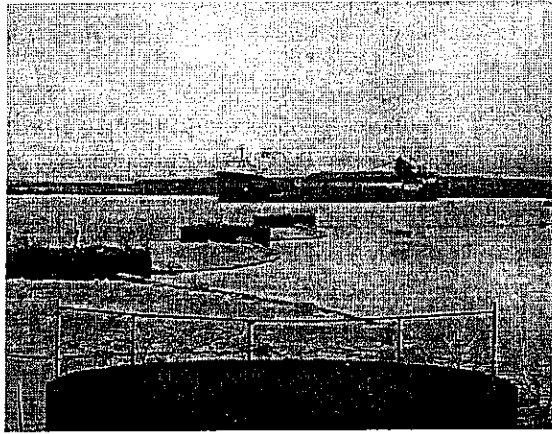
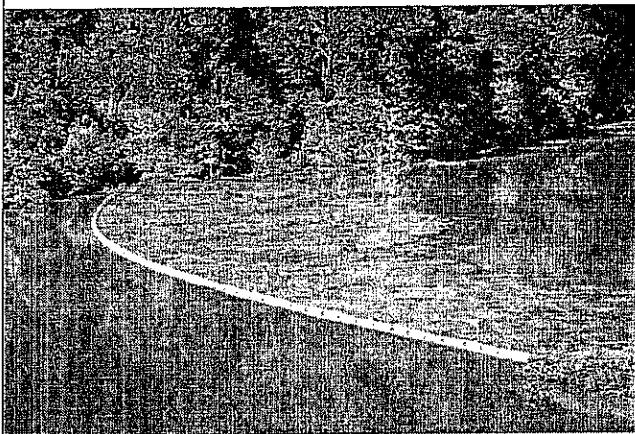
Click | www.tuffboom.com

TUFFBOOM

Log & Debris Booms / Dam Safety Boat Barriers

Features (At-A-Glance)

- Heavy-wall impact resistant polyethylene with max. UV resistance.
- Unsinkable solid internal core of non-water absorbing foam fill. Maintains buoyancy even when punctured.
- High load bearing internal steel channel provides strength and ballast, resists horizontal and vertical loads.
- Load-rated galvanized safety shackle connections permit full movement with minimal wear.
- Fully-interchangeable connection hardware.
- Connections are designed for continuous motion and heavy loads
- Mold-in Graphics™ with standard or customized warnings.
- Exceptional debris load capacity.
- Available in International Orange, Safety Yellow, Log Boom Brown, Forest Green, Black, White, Red, Navy Gray, Sand Tan.
- High Visibility, high buoyancy for maximum freeboard visibility
- Weight: Approximately 141 lbs (64 kgs) per unit
- Center to Center Length: 136 in (53.5 cm)
- Float Unit Length: 120 in (47.2 cm)
- Buoyancy: approximately 700 lbs (317 kgs) per unit.
- Anchor components designed to site specific conditions
- Assembles easily with little or no equipment required.
- Thousands of units installed worldwide with excellent results



Call | **800.899.2977**

Click | **www.tuffboom.com**

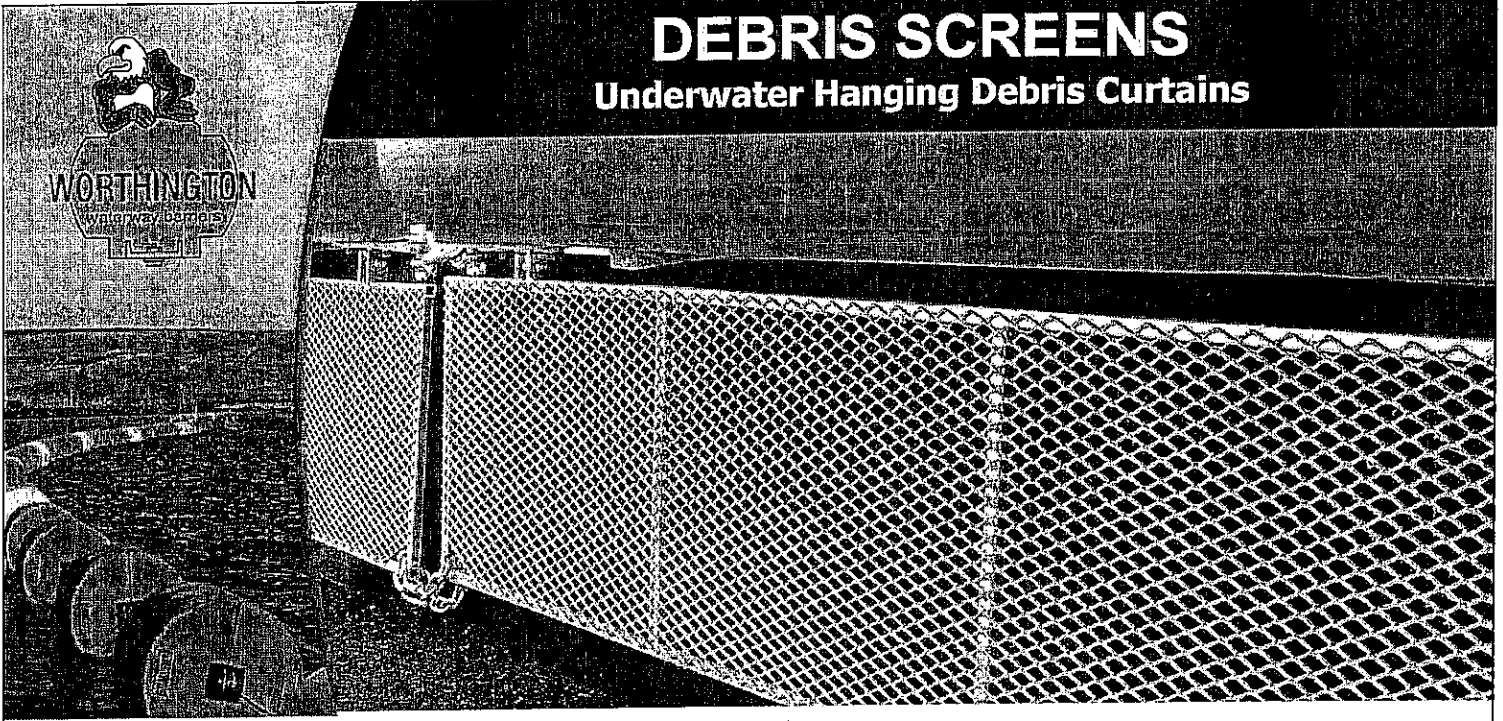
Worthington Products Inc.
3405 Kuemerle Ave NE
Canton, OH 44705
U.S.A.

USA & Canada: 800.899.2977
Int'l: 001.330.452.7400
Fax: 330.452.7400
sales@tuffboom.com

GSA Contract Holder

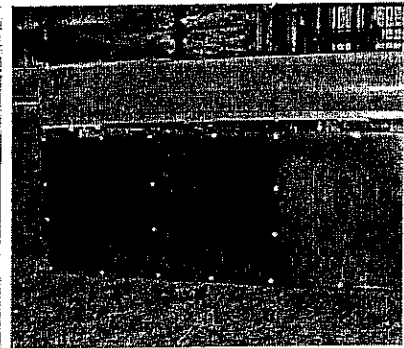
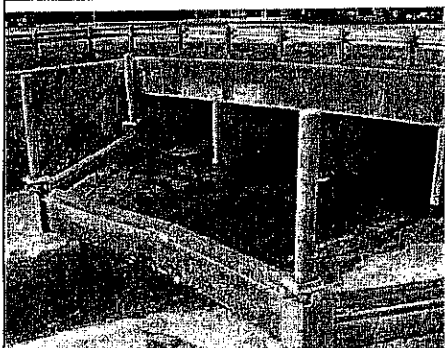
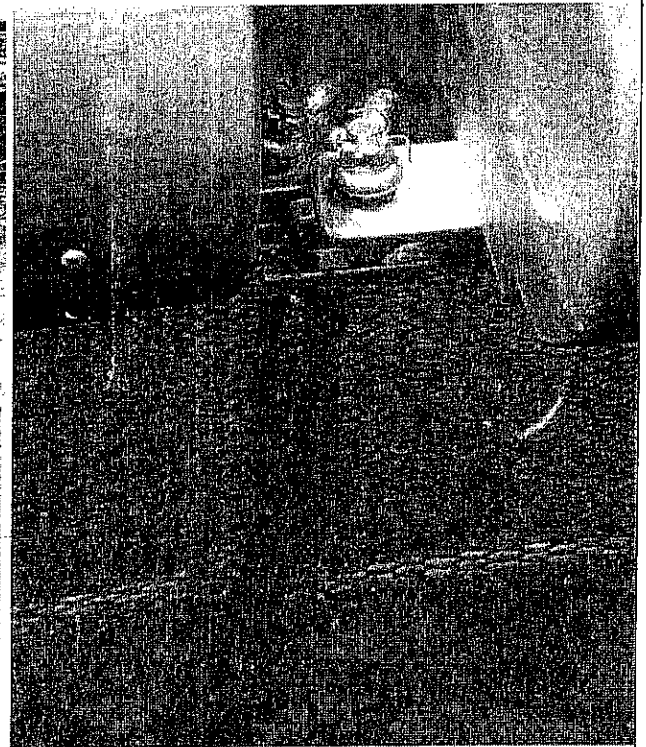
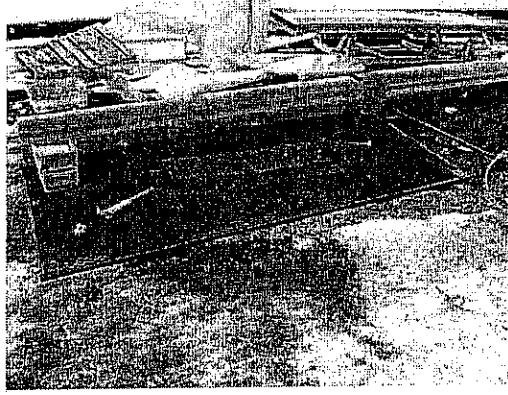
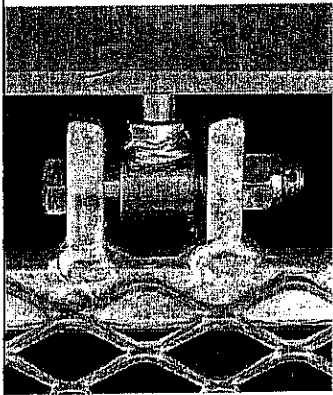
DEBRIS SCREENS

Underwater Hanging Debris Curtains



TUFFBOOM barriers excel at collecting or diverting surface trash, debris, vegetation and ice. For those locations where the debris is just below the surface or where water currents tend to push debris under the boom line, we offer a simple, effective debris screen that can be attached to new and existing boom lines.

TUFFBOOM Debris Screens feature a surface facing material mechanically attached to a fabricated galvanized tubular steel frame with vertical reinforcing bars. Standard screen depths are 12", 24", 36" and 48" (31 cm, 61 cm, 92 cm, 122 cm). Facing material options are diamond mesh steel screen (*as shown above*), solid industrial rubber or steel-panel surface screens. Each screen measures 130" (330 cm) long and attaches to the underbelly of the boom via specially designed swivel connector pins. Chain connections on the bottom of each screen reduce the risk of the screens pivoting backwards during higher flows and aid in debris retention.



Call | 800.899.2977

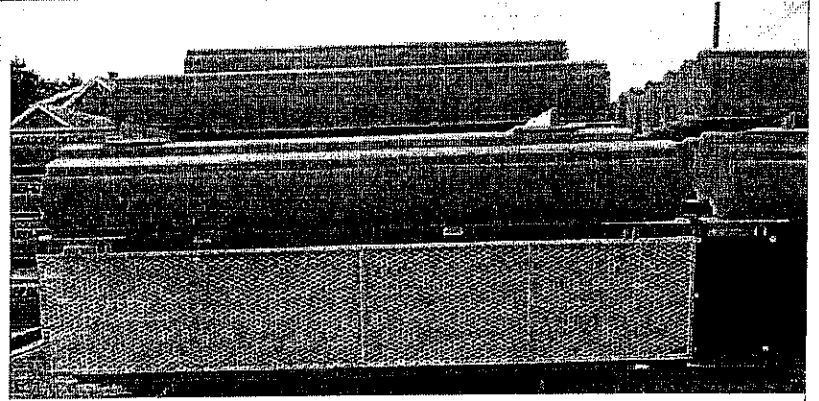
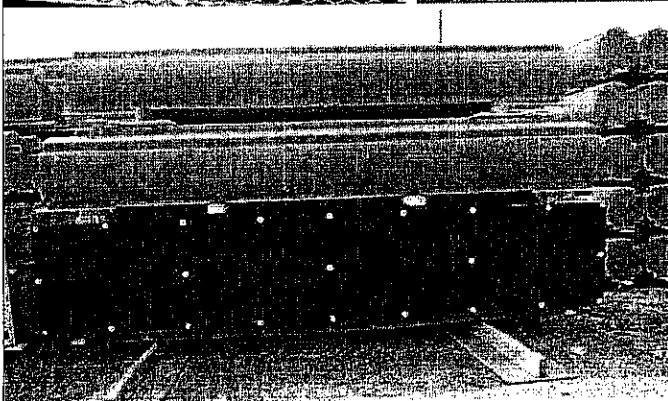
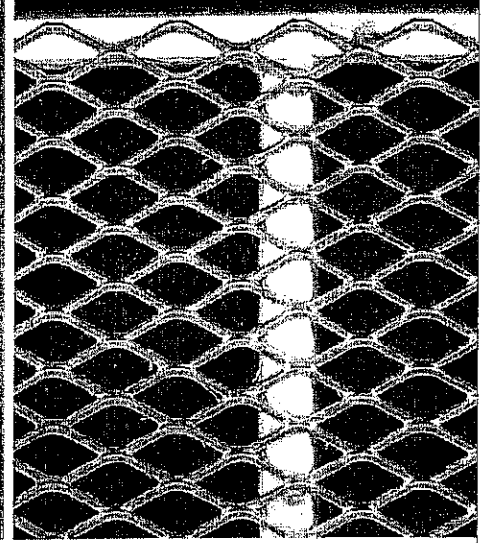
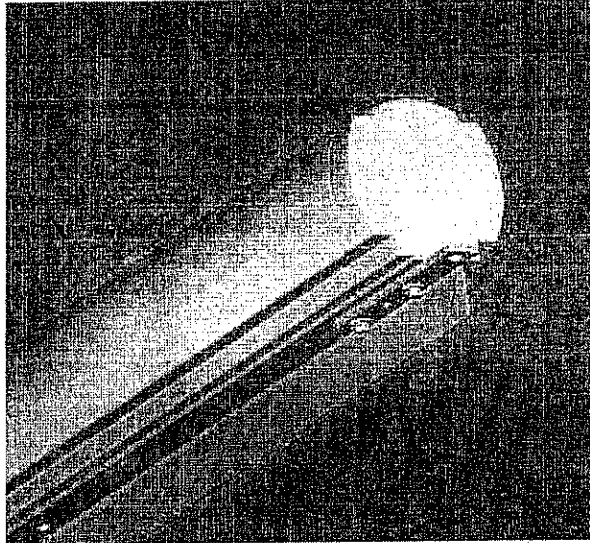
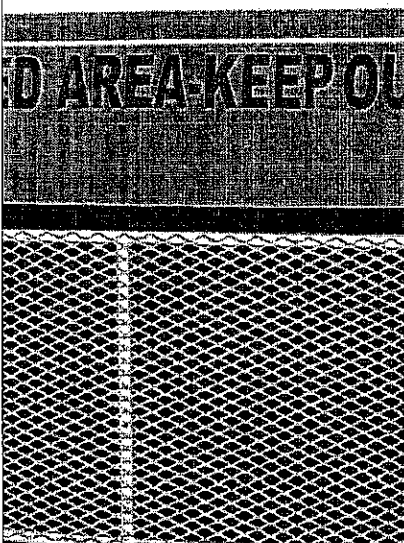
Click | www.tuffboom.com

DEBRIS SCREENS

Underwater Hanging Debris Curtains

Features (At-A-Glance)

- Tubular Steel Framed Construction
- Galvanized Steel or Stainless Steel
- Choices of screen facing materials
 - Metal diamond mesh pattern welded to steel frame
 - Heavy industrial rubber bolted to steel frame
 - Solid sheet steel welded to steel frame
 - Custom material per client requirements
- Easily attaches to underside of booms via specially designed swivel connectors.
- Screens can be attached to existing boom installations or supplied with new booms.
- 130-in (330 cm) long x " , 24" , 36" and 48" (31 cm, 61 cm, 92 cm, 122 cm) deep.
- Individual chain connections between units.
- Optional cable connection for added load bearing capability.
- Special steel angle ice boom designs also available.



Call | **800.899.2977**

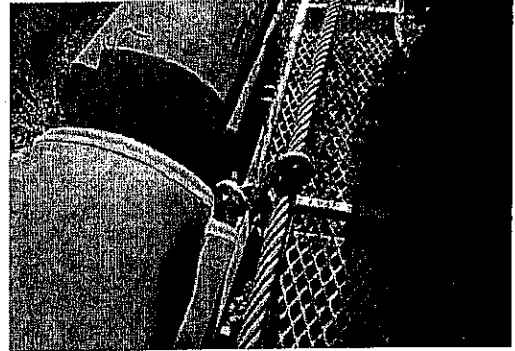
Click | **www.tuffboom.com**

Worthington Products Inc.
3405 Kuemerle Ave NE
Canton, OH 44705
U.S.A.

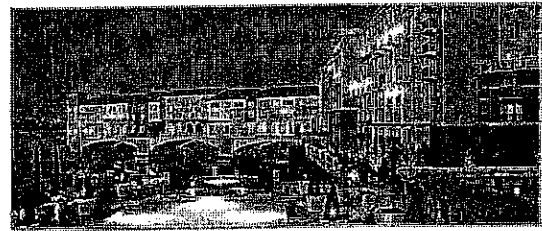
USA & Canada: 800.899.2977
Int'l: 001.330.452.7400
Fax: 330.452.7400
sales@tuffboom.com

 GSA Contract Holder

PROJECT STATISTICS	
Project Name:	Lake Las Vegas
Location:	Henderson (NV)
Owner:	Lake Las Vegas Assoc.
Description:	Installation of 680' of debris barrier for dry flood bed. Includes special color and 12" debris screens.
Date:	2002

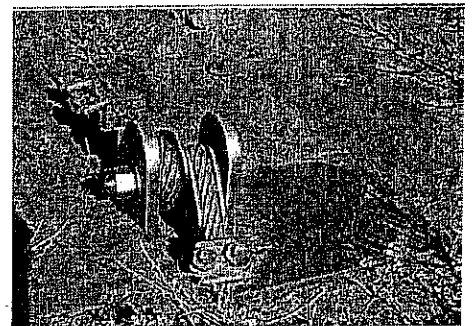
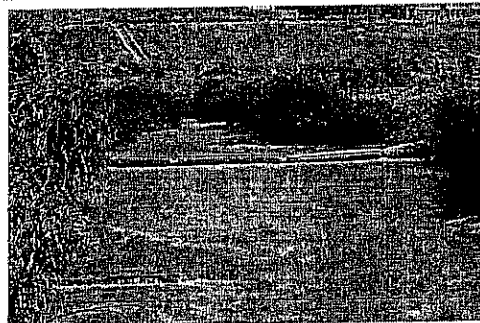


Key TUFFBOOM Project Features



Nevada's newest AAA Five Diamond-rated resort, The Ritz-Carlton, Lake Las Vegas provides the ultimate "other Las Vegas" experience just 17 miles southeast of the Las Vegas Strip. Floating debris in the beautiful lagoons surrounding the property was undesirable so the owners needed a long-term solution and one that would not be visible. They turned to TUFFBOOM:

- Special TAN color to blend in with natural surroundings.
- 12" debris screens to catch submerged materials during periods of heavy flow.
- High-strength cable underneath booms for periods of excessive loading.
- UV protection due to desert environment.
- Special anchor plates to distribute and secure load.



Worthington Products, Inc. is the premier U.S. manufacturer of waterway barriers for security, safety and debris control. Governments and private enterprises use Worthington's waterway barriers worldwide. Worthington Products offers full engineering and technical support, turnkey services and quality products backed by competent service.

Worthington Products, Inc.
 3405 Kuemerle Ave NE
 Canton, OH 44705
 TOLL FREE: 1-800-899-2977

CUSTOMER PRINT

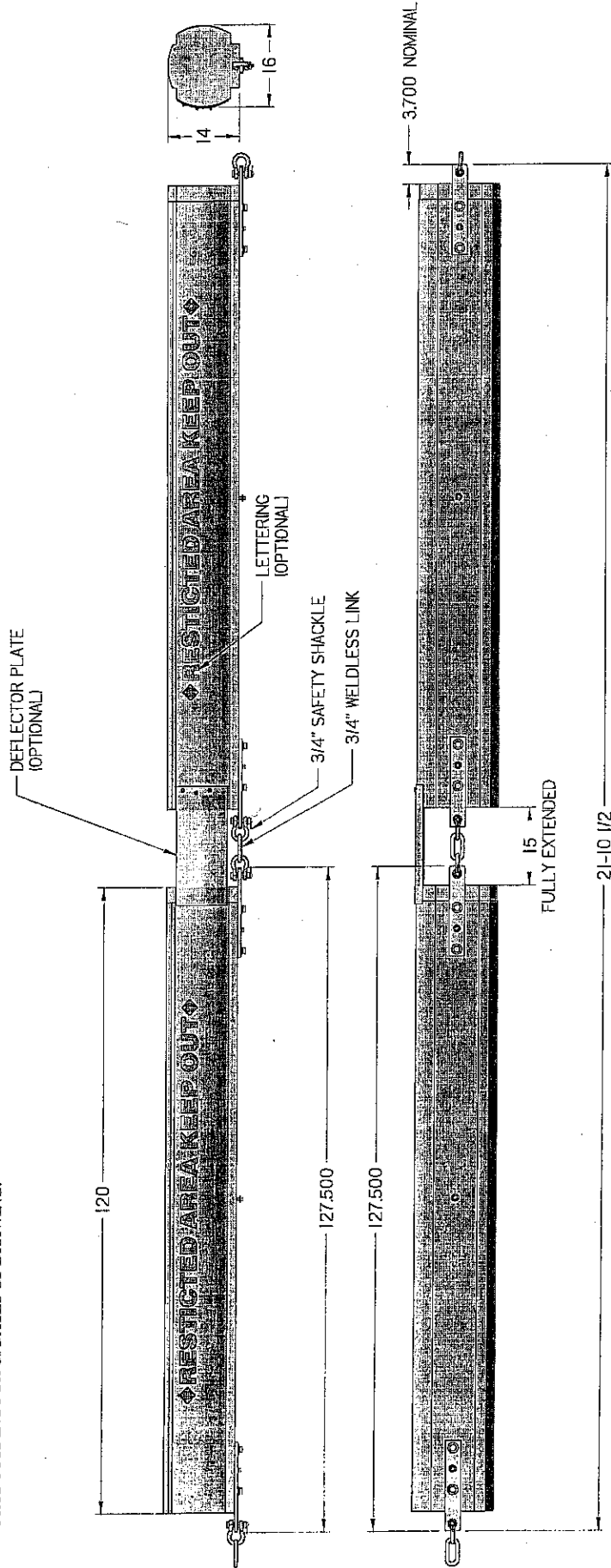
**TUFFBOOM
GENERAL ARRANGEMENT**


APPROVED

"12 BOOM ARRANGEMENT SHOWN FOR REFERENCE"

NOTE:

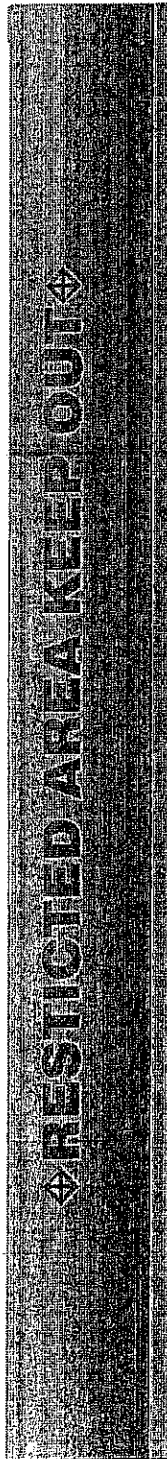
DRAWINGS ARE SUBJECT TO CHANGE WITHOUT NOTICE. CONTACT WORTHINGTON PRODUCTS INC FOR UPDATES OF DRAWING.



Worthington Products Inc. 3405 Kuermerle Ave NE Canton, Ohio 44705 Phone: (330) 452-7400 Fax (330) 452-7495 Email: support@tuffboom.com Website: www.tuffboom.com				DRAWING DESCRIPTION: TUFFBOOM		SCALE	NTS	
				CUSTOMER / PROJECT: GENERAL ARRANGEMENT		WEIGHT: 140 LBS	DRAWN BY: SDO	SIZE
A		INITIAL RELEASE	20AP06			DATE: 20AP06	SHEET 1 OF 4	
REV		DESCRIPTION	DATE	REV BY				
		REVISION HISTORY				DWG NO		
		<p>NOT FOR CONSTRUCTION THIS DOCUMENT IS INTENDED FOR REVIEW ONLY AND IS NOT INTENDED FOR BIDDING, PERMIT OR CONSTRUCTION</p>				A10TB-100		

APPROVED

SIZE: 3.75" H X 59"L



SIZE: 4" H X 86"L



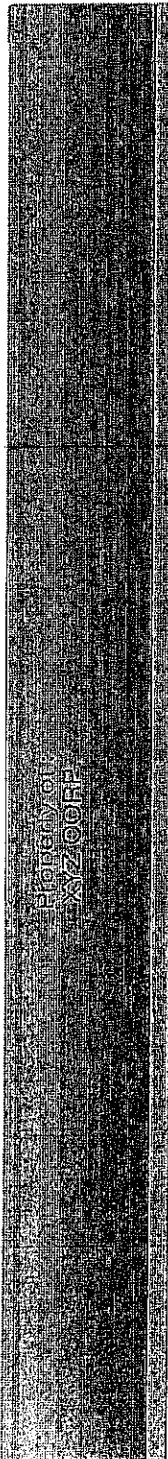
SIZE: 4" H X 64"L



SIZE: 3.50" H X 87"L



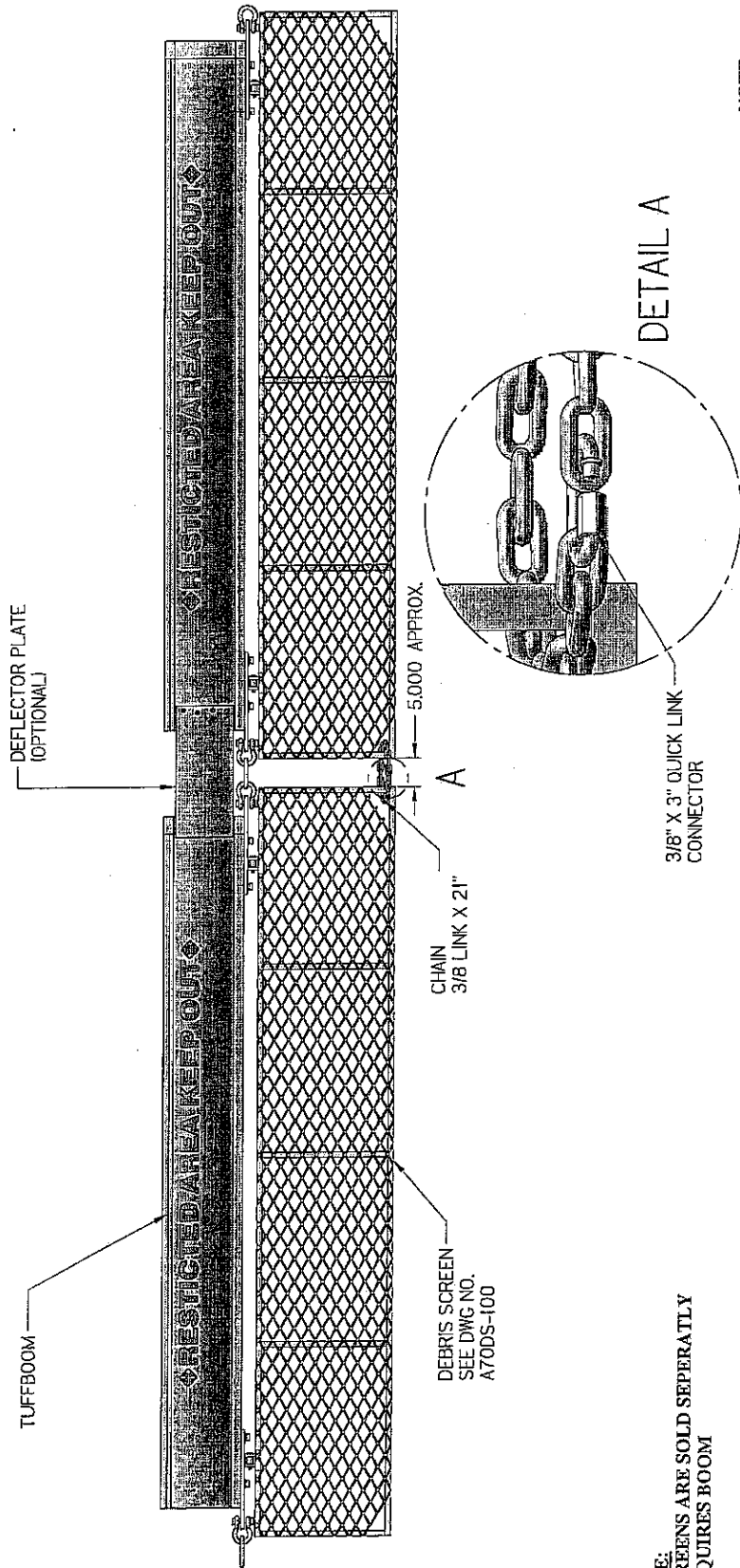
SIZE: 5" H X 34"L



ALL TEXT IS BLACK UNLESS NOTED OTHERWISE

				Worthington Products Inc. 3405 Kuensterle Ave NE Canton, Ohio 44705 Phone: (330) 452-7400 Fax (330) 452-7495 Email: support@tuffboom.com Website: www.tuffboom.com		DRAWING DESCRIPTION TUFFBOOM		SCALE NTS	
		CUSTOMER / PROJECT: STANDARD GRAPHICS OPTIONS		WEIGHT: 140 LBS DRAWN BY: SDO		DATE: 20AP06 SHEET 4 OF 4		SIZE B	
		NOT FOR CONSTRUCTION THIS DOCUMENT IS INTENDED FOR REVIEW ONLY AND IS NOT INTENDED FOR BIDDING, PERMIT OR CONSTRUCTION		DWG NO A10TB-100					
B	ADDED XYZ CORP	30MY06							
A	INITIAL RELEASE	20AP06							
REV	DESCRIPTION	DATE	REV BY						
	REVISION HISTORY								

DEBRIS SCREEN SYSTEM ASSEMBLY



NOTE:
 - SCREENS ARE SOLD SEPERATLY
 - REQUIRES BOOM

NOTE:
 DRAWINGS ARE SUBJECT TO CHANGE
 WITHOUT NOTICE. CONTACT WORTHINGTON
 PRODUCTS INC FOR UPDATES OF DRAWING.

DETAIL A

3/8" X 3" QUICK LINK
 CONNECTOR

CUSTOMER PRINT

Worthington Products Inc.
 3405 Kuermerle Ave NE
 Canton, Ohio 44705
 Phone: (330) 452-7400
 Fax (330) 452-7495
 Email: support@tuffboom.com
 Website: www.tuffboom.com

REV	DESCRIPTION	DATE	REV BY
A	INITIAL RELEASE	06JN06	
	REVISION HISTORY		



DRAWING DESCRIPTION:
 DEBRIS SCREEN

CUSTOMER / PROJECT:
 DEBRIS BARRIER SYSTEM ASSEMBLY

SCALE: NTS

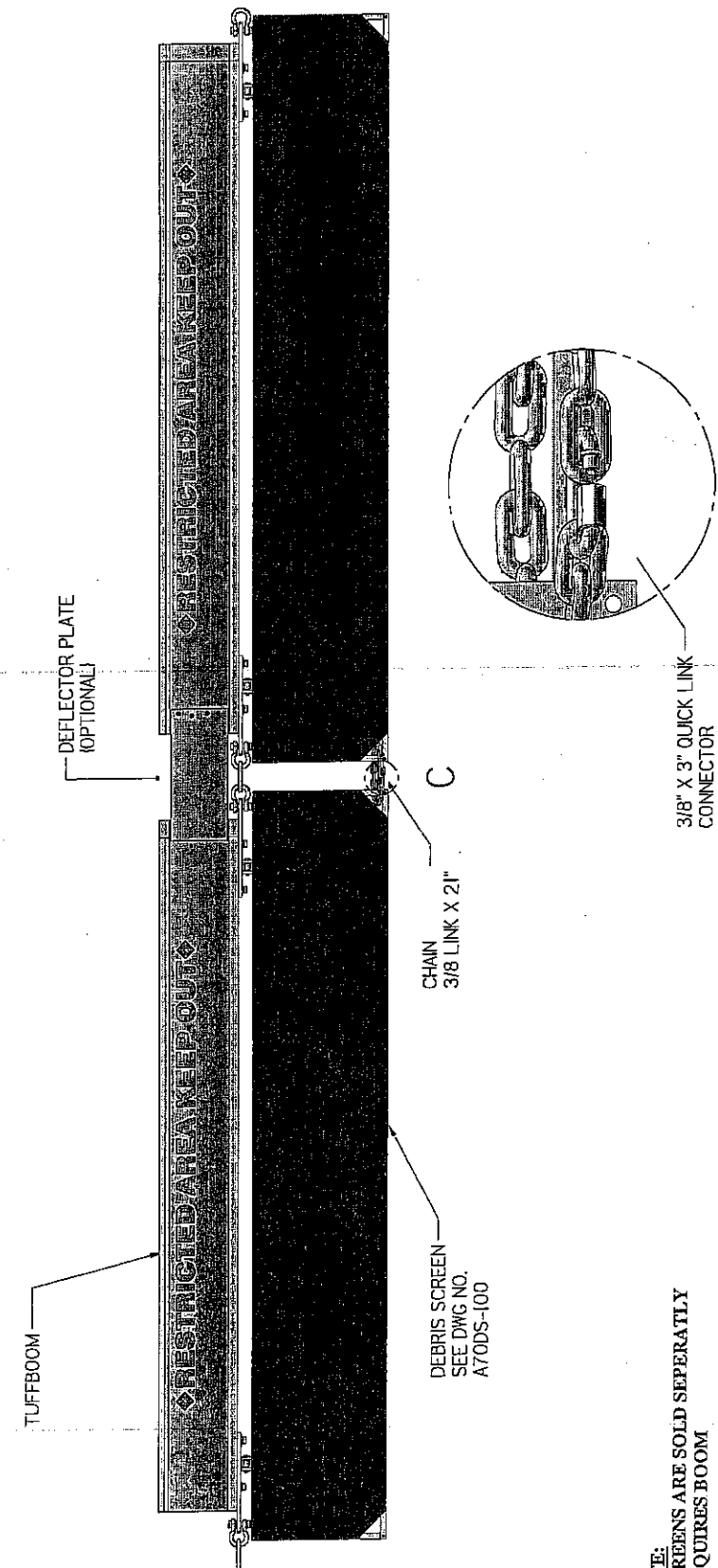
WEIGHT: DRAWN BY: SDO

DATE: 06JN06 **SHEET 1 OF 2**

DWG NO: A70DS-200

NOT FOR CONSTRUCTION
 THIS DOCUMENT IS INTENDED FOR REVIEW ONLY AND IS NOT
 INTENDED FOR BIDDING, PERMIT OR CONSTRUCTION


DEBRIS SCREEN SYSTEM ASSEMBLY
OPTIONAL CONVEYOR RUBBER BELTING



NOTE:
 DRAWINGS ARE SUBJECT TO CHANGE
 WITHOUT NOTICE. CONTACT WORthington
 PRODUCTS INC FOR UPDATES OF DRAWING.

DETAIL C

CUSTOMER PRINT

		Worthington Products Inc. 3405 Knaemle Ave NE Canton, Ohio 44705 Phone: (330) 452-7400 Fax (330) 452-7495 Email: support@tuffboom.com Website: www.tuffboom.com		SCALE: NTS	
DRAWING DESCRIPTION: DEBRIS SCREEN		WEIGHT: SDO		SIZE: B	
CUSTOMER / PROJECT: DEBRIS BARRIER SYSTEM ASSEMBLY		DATE: 06JN06		SHEET 2 OF 3	
NOT FOR CONSTRUCTION THIS DOCUMENT IS INTENDED FOR REVIEW ONLY AND IS NOT INTENDED FOR BIDDING, PERMIT OR CONSTRUCTION		DWG NO: A70DS-200			

NOTE:
 - SCREENS ARE SOLD SEPARATELY
 - REQUIRES BOOM

REV	DESCRIPTION	DATE	REV BY
D	REV'D FOR 3/4" BOLTS	12NO08	
C	REV'D HARDWARE	14OC08	
B	ADDED DOUBLE NUT FASTENING	17AP08	
A	INITIAL RELEASE	06JN06	
	REVISION HISTORY		

Worthington Products, Inc.
TUFFBOOM Barrier System

Specifications

PRIMARY ITEMS:

DETAILS OF CONSTRUCTION

Floatation Log Booms.

Floatation logs shall be new boom logs not previously used for any other purpose and shall be supplied by a manufacturer with not less than 5-years experience providing logs booms for the specified purpose. Floatation logs shall consist of an external encasement (A), internal foam fill (B) and internal structural steel channel (C) through which all external interboom connections are attached. Each floatation log shall be cylindrical in shape and shall include recessed longitudinal ribbing to provide impact strength and load resistance. The nominal diameter shall be 16-inches as measured with a 16-inch diameter circle template placed at one end of the floatation log. Floatation logs shall be 120-inches in length. The assembled length of each floatation log as measured from center of interboom connector to center of interboom connector on the opposite end of the boom log shall be 135-inches in length plus/minus 2-inches. The average total dry weight of each floatation log with the bottom steel connector plate shall be 140 pounds. Each floatation log shall be designed to maintain its originally supplied buoyancy even if structurally damaged or punctured. Each floatation log shall be designed to maintain its original buoyancy when supplied with underwater screen attachments. This buoyancy shall not be reduced even if the floatation unit is structurally damaged or punctured.

Encasement "A". shall be rotationally molded using rotationally molding grade linear low density polyethylene or linear medium grade polyethylene. Polyethylene encasement shall have a minimum density of 0.935 g/cm³ as determined by ASTM D1505-68 and be UV-stabilized for long-term environmental exposure. The nominal wall thickness of the polyethylene encasement shall be 0.170-inch. The standard encasement color shall be international safety orange unless alternate colors are requested.

Internal Foam "B". Polystyrene shall meet the requirements of ASTM C-578 and shall have a minimum in-place density of 0.9 pounds per cubic foot and a maximum in-place density of 1.2 pounds per cubic foot. Water absorption of polystyrene shall not exceed 3% by volume as tested per ASTM C-272. Polystyrene shall be unable to support combustion without an external heat source. Polystyrene fill shall take up a minimum of 95% of the interior volume of the boom. Under no circumstances will the percentage of foam fill be less than 90% of the interior volume of the boom. Polystyrene shall be produced by a manufacturer who has been continuously engaged in the production of styrene foam for floatation for a minimum of five years. The buoyancy of the floatation unit will not be reduced as long as the foam remains in place.

Internal Structural Steel Channel "C". Each floatation log shall be fabricated with an structural steel channel according to ASTM A572-Grade 50 structural steel, with a 4" external channel width and a minimum ultimate tensile strength of 57,000 pounds. The weight of each channel shall not be less than 5.4-pounds per foot. Material certification shall be made

available by the manufacturer on request. The structural channel shall be located such that it is on the interior of each floatation log, centered across the width and positioned on the bottom interior surface to provide anti-rolling features to the boom unit. Each channel must be positively secured in place A325 Structural steel bolts and a heavy wall external flat plate. Materials that are molded in place or through wall mold-in channels or plates are not permitted due to the different thermal properties of steel and polyethylene and the resulting risk of physical separation of material in the field. All load bearing connections between floatation logs shall be designed such that the load is distributed through this channel.

Interboom Connection Hardware

All connecting hardware between floatation units shall consist of bottom steel connector plates (item "A"), load-rated galvanized safety shackles (item "B") and load-rated galvanized weldless links (item "C"). The connections between floatation units shall be engineered to minimize wear and maximize load-bearing capacity. All external connecting hardware must be of galvanized steel construction. The use of non-metallic materials, such as pvc belting, or other materials that can be cut, ripped, torn or are subject to environmental degradation shall not be acceptable. (See note below for corrosive water environments).

Item "A". Bottom steel connector plates shall be fabricated from 5/8" thick x 3" wide steel plate, ASTM A572, Grade 50, "Specification for Structural Steel", with one 1-1/8" hole punched in the center of one end of the plate 1-1/2-inches from each edge. Two 3/4-inch slotted holes and one 1/2-inch hole shall be punched on the opposite end according to drawing A10TB-106-01. Each bottom plate shall be free of burrs and hot-dipped galvanized for corrosion resistance. Each bottom connector plate shall be affixed to the internal steel channel of the floatation unit using A325 structural steel bolts, nuts and washers. Bottom plates shall be factory assembled to the floatation units prior to shipment.

Item "B". Connection shackles shall be have a minimum pin diameter of 3/4-inch, be of a safety type with safety nut, be hot-dipped galvanized for corrosion resistance and have a WLL (working load limit) of not less than 4-3/4 tons. The WLL rating shall be clearly identified on the body of each shackle. The minimum average tensile breaking strength of each shackle shall be 60,000 lbs and be certified to be proof tested to 57,000 pounds working capacity. Manufacturer is responsible for providing testing certificate attesting to load capability of connectors. Each shackle shall be supplied with a stainless steel straight cotter pin to prevent the safety bolt from coming loose. "R" type cotter pins shall not be acceptable.

Item "C". Weldless links shall be 3/4-inch, be hot-dipped galvanized for corrosion resistance and have a WLL (working load limit) of not less than 4-3/4 tons. The WLL rating shall be clearly identified on the body of each shackle. The minimum average tensile breaking strength of each shackle shall be 60,000 lbs and be certified to be proof tested to 57,000 pounds working capacity. The weldless link may be substituted with

Worthington Products, Inc.
TUFFBOOM Barrier System

Specifications

alternate connectors in order to achieve a wider gap between floatation units. Where any alternate connector is utilized it must exceed the 57,000 pound proof tested working capacity of the weldless link. Use of lower strength connectors in a stacking or doubling configuration shall not be acceptable.

Color

The default color of the floatation log booms shall be international orange. Alternate colors are available. Where an alternate color is desired, the color choice shall be clearly stated in the final specification and on the purchase requisition..

END OF STANDARD SPECIFICATION.....

OPTIONAL/ANCILLIARY ITEMS:

Graphics/Lettering:

If required by the project owner, graphics/lettering shall be included with the supply of the floating log booms. Graphics shall be the millennium type mold-in graphic. Standard graphics shall be black lettering using 4" high Arial font type graphic. Standard graphic panels shall be one of the following:
Panel "A": <+> RESTRICTED AREA - KEEP OUT <+>;
Panel "B": EXTREME DANGER KEEP OUT; Panel "C": <> DAM AHEAD KEEP AWAY <>. Alternate wording/symbols may be specified by the project owner prior to commencement of production.

Submerged Screens

Floatation units shall be able to support the weight of submerged debris screens or netting even if structurally damaged or punctured. Debris screens shall be rectangular shaped, fabricated from A36 Structural tubular steel and include either an expanded metal mesh face material or an industrial grade rubber face material. All exposed metal surfaces shall be of corrosion resistant construction. Debris screens shall be designed to permit easy attachment to the floatation units and all attachments must be connected to the internal steel channel. Debris screens shall be connected underwater via proof-coil galvanized chain.

Deflector Plates

Each Floatation unit shall include profile plates to be attached to one end of each unit for the purpose of restricting the passage of smaller debris between booms. Deflector plates shall include a 3-point method of affixing to each floatation unit and shall be capable of moving independently of the adjoining floatation unit.

Retroreflective Tape Reflectors:

Retroreflective 3M adhesive tape specifically designed for use on rotationally molded buoys may be affixed to the boom surfaces to aid in nighttime visibility and navigation. The color

and length of tape strips shall be specified by the project owner. Tape manufacturer installation instructions shall be followed when applying tape.

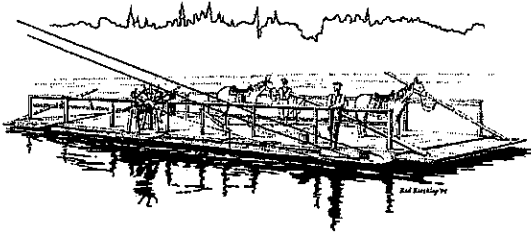
Lighting

Solar powered marine grade lighting shall be mounted to a vertical post and post mounting plate. The vertical post shall be schedule 80 galvanized steel pipe and be affixed to the base connector plate. The light shall not be less than 24" above the waterline and it shall be visible from 360 degrees. The light shall be affixed to a mounting plate using rivets or security type round head bolts to prevent tampering or easy removal by vandals. The color, flash pattern and range of the light shall be specified by the project owners. Lights shall be of Carmanah or Sealite type or acceptable equal.

The owner specifications for the light shall be as follows:

Color: _____
Flash Pattern: _____
Range: _____

The floating barrier shall be the TUFFBOOM system as Manufactured by Worthington Products, Inc. (1-800-899-2977) of Canton, Ohio or approved equal.



MEMO

CITY OF BONNERS FERRY
CITY ADMINISTRATOR

Date: 17 January 2014
To: City Council
From: Stephen Boorman, City Administrator
Subject: Main Computer Server Replacement.

This memo is to recommend that the City proceed with replacement of the Main City's Computer Server at the cost of \$13,065.92. This replacement has been expected and was budgeted for.

STB

Kris Larson

From: Matt Corwin <mcorwin@gocai.com>
Sent: Monday, January 13, 2014 4:50 PM
To: Stephen Boorman; Kris Larson
Subject: Server Quote
Attachments: BFCServerQuote.pdf

Here is the quote that I put together for your server. I itemized the Exchange, Windows Licensing, Server Hardware, and Rack. Please let me know if you have any questions or if you guys would like Myself or Leonard to be on hand for the Council Meeting to discuss this in more detail.

Thanks,
-Matt



Computer Arts, Inc.

Quote

320 SW 5TH AVE
 Meridian, ID 83642
 Phone: (208) 385-9335
 Fax: (208) 338-1418
 www.gocai.com

Quote Number: Quote Date:

Status:

Vendor

Name: Computer Arts, Inc.
 Attn: Matt
 Addr: 320 SW 5th Ave.
 Meridian, ID 83642
 Phone: (208) 385-9335
 Fax: (208) 338-1418

Customer

Name: City of Bonners Ferry
 Attn: Stephen Boorman
 Addr: 7232 Main Street
 Bonners Ferry ID 83805-
 Phone: (208) 267-3105
 Fax:

Product ID	Description	Qty	Price	Ext Price
Server	Dell Server	1	\$5,940.00	\$5,940.00
PT9765	Windows Server 2012 Standard	2	\$767.45	\$1,534.90
Win2012 CAL	Microsoft Windows Server 2012 Cal	8	\$157.61	\$1,260.86
QQ4489	Exchange Server 2013	1	\$612.08	\$612.08
QQ4487	Exchange 2013 CAL	40	\$67.15	\$2,686.08
dell_rack	Dell 4220 Rack Enclosure	1	\$1,032.00	\$1,032.00

Quote Originator:

Comments

Dell Server - 4 Windows 2012 VM Licenses, 40 User Cals, Microsoft Exchange, 40 Exchange User Cals, 42U Rack Enclosure for the Server room

SubTotal:

Shipping Charge:

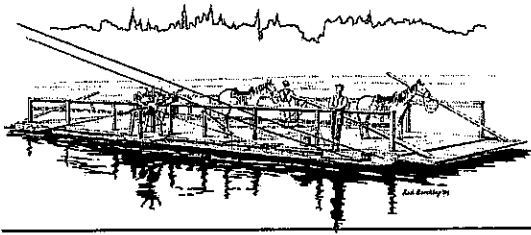
Minimum Charge:

Tax Calculated at:

Total:

Authorized Signature _____

*This Quote is subject to product availability.
 Pricing valid for 15 days from Quote Date.*



CITY OF BONNERS FERRY

7232 Main Street
P.O. Box 149
Bonners Ferry, Idaho 83805
Phone: 208-267-3105 Fax: 208-267-4375

Memo

To: Mayor and City Council
From: John F. Griffin, Water/Sewer Superintendent
Date: 1/8/2014
Re: Golf Course Irrigation Pump & Motor Rebuild Versus Replacement

After reviewing the options and associated costs for either rebuilding or replacing the subject pump & motor, I strongly recommend that we go with the rebuilding option. The total cost for going that direction is \$12,095.00 (attached) versus a cost of \$10,495.00 (attached) plus freight and the uncertainties associated with installation & application of a new pump & motor.

Hence, considering the costs of installation & application uncertainties of new a unit, plus the freight, the total cost would very likely be at or more than the rebuild price. Moreover, we know the existing unit fits into the installation site & meets capacity requirements.

In closing, I recommend the Mayor/Council approve Eastside Electric's rebuild proposal.

JFG:jfg

Attachments

Kris Larson

From: John Griffin <jgriffin@bonnersferry.id.gov>
Sent: Wednesday, January 08, 2014 8:49 AM
To: John Griffin
Subject: Golf Course Irrigation Pump & Motor PICS

From: aric ernst [mailto:arice.eastside@gmail.com]
Sent: Monday, November 18, 2013 7:19 AM
To: Stephen Boorman; City of Bonners Ferry
Subject: Re: Golf Course Irrigation Pump & Motor PICS

Steve/John,

Here is your quote for a new Motor/Pump assembly.

New Flowserve 8M23 - 3 stage short coupled pump with 40HP US Motor:

Cost: \$10,495.00 Plus Freight 2-3 weeks ARO

Let me know if you have any questions.

Thanks
Aric Ernst
Eastside Electric

On Thu, Nov 14, 2013 at 4:01 PM, Stephen Boorman <sboorman@bonnersferry.id.gov> wrote:
Doesn't need to be exact. And a range is fine. Just so the council has a reference point.

Thanks

sjb

On Nov 14, 2013, at 2:52 PM, aric ernst <arice.eastside@gmail.com> wrote:

Stephen,

I am in the middle of finding a price right now. It takes a little bit to get everything quoted because of all the different components, and they do not make Worthington pump heads anymore. The quote for new may be a little different as far as application goes, but at least it should give you the idea of a new unit cost.

On Thu, Nov 14, 2013 at 2:33 PM, Stephen Boorman <sboorman@bonnersferry.id.gov> wrote:

John and Aric:

Do we know what the approximate price would be of a new pump? I would anticipate the council will ask that question.

Thanks

Stephen Boorman

City of Bonners Ferry

208-267-0357

Eastside Electric

ELECTRICAL APPARATUS REPAIR

City of Bonners Ferry
7232 Main Street
Bonners Ferry, ID 83805

Date 11-7-13
Quote #30571

Attn: John Griffin
E mail: jgriffin@bonnersferry.id.gov

Re: 40HP GE motor, 3535RPM, 230/460V, ODP, B286TP12 Frame, Model: 5K6238XH2B,
SN: HJJ822522.

Work Scope:
Recondition

Pick up and bring to the Spokane Service Center.
Disassemble inspect and perform incoming electrical testing.
Measure and record machine fits.
Clean and dry all parts/stator/rotor.
Test and varnish treat the stator winding.
Prepare and paint all parts stator and rotor for assembly
Install new standard ball bearings.
Assemble and perform no load testing.
Paint and prepare for shipping.
Deliver back to the customer.

\$1260.00

Additional work scope:

Dynamically Balance Rotor
Repair PE Endbell
Repair OPE Shaft Bearing Fit
Check Shaft for Straightness
Furnish Bearings

\$270.00
\$180.00
\$135.00
\$ 90.00
\$220.00

Total for Motor Repair

\$2155.00

See Second page for Pump Repair.

Eastside Electric

ELECTRICAL APPARATUS REPAIR

Work Scope: 3 - Stage Worthington Pump

<i>Disassemble & Inspect parts</i>	<i>\$1050.00</i>
<i>Setup bowls - Cut & sleeve stationary rings</i>	<i>\$1080.00</i>
<i>Sleeve Rotating Rings & Machine to Match Stationary</i>	<i>\$1080.00</i>
<i>Manufacture 2 New Shafts</i>	<i>\$1080.00</i>
<i>Clean & Paint</i>	<i>\$ 720.00</i>
<i>Assemble</i>	<i>\$ 900.00</i>

Materials for Pump:

<i>2 New shafts</i>	<i>\$125.00</i>
<i>Bronze</i>	<i>\$595.00</i>
<i>1/2" x 1" Worthington Tension Assembly</i>	<i>\$3085.00 (12 week lead)</i>
<i>1/2" x 1" Line Shaft Bearing</i>	<i>\$ 80.00 (12 week lead)</i>
<i>Freight for parts</i>	<i>\$145.00</i>

Total for Pump Repairs *\$9940.00*

Total for Motor & Pump Repairs *\$12,095.00*

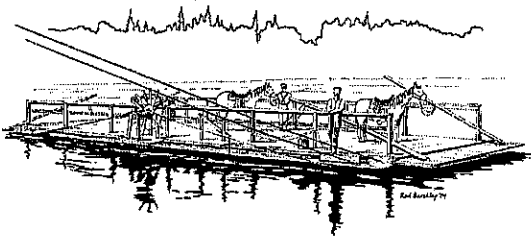
Please call with any questions.

Thank you,

*Aric Ernst
Customer Service
Ph 509-922-2112
Fax 509-928-7984
Cell 509-979-7760*

*Jon Holm
Customer/QA Mgr.
Ph 509-922-2112
Fax 509-928-7984
Cell 509-570-8672*

*Gary Crosby
Sales Representative
509-922-2112
509-928-7984
509-998-6471*



MEMO

CITY OF BONNERS FERRY
CITY ADMINISTRATOR

Date: 17 January 2014
To: City Council
From: Stephen Boorman, City Administrator
Subject: Waterline replacement Task Order.

We have two old lines that have had multiple leaks. We would recommend that we have Welch Comer do the design work for these two projects. The lines are on Bonner Street under the under-pass and Gem Street on the north side.

STB

This is **EXHIBIT K**, consisting of 2 pages, referred to in and part of the **Agreement between Owner and Engineer for Professional Services** dated August, 2005.

AMENDMENT TO OWNER-ENGINEER AGREEMENT
Amendment No. 13

1. *Background Data:*

- a. Effective Date of Owner-Engineer Agreement: August 16, 2005
- b. Owner: City of Bonners Ferry
- c. Engineer: Welch Comer & Associates, Inc.
- d. Project: City of Bonners Ferry Water System Improvement Project

2. *Description of Modifications:*

Owner intends to complete waterline replacement/improvement projects in the following areas:

- 1) Gem Street: Replace approximately 550 feet of 6" cast iron water main Bingham northeast toward Mohawk along Gem Street.
- 2) Bonner Street: Replace approximately 650 feet of 4 inch steel pipe from Kootenai north on 4th and east on Bonner to 2nd Street.
 - a. Engineer shall perform or furnish the following Additional Services:
Prepare plans and specifications for the above referenced projects.

Design Phase Services

- Site visit with City Staff and identify the location of existing utilities and surface features and determine an appropriate alignment (no topographic survey will be performed).
- Prepare waterline design and drawings utilizing existing available base mapping and information collected in the field. (Note that no profile information will be provided). Specifications will be provided within the plan set.
- Prepare Request for Quotation package for Owner. Engineer will provide one electronic copy of each bid package to Client for distribution. Hard copy reproductions will be charged as a reimbursable expense.

Permitting

- If required by the Railroad, assist Owner with encroachment permit. (Owner will pay associated fees.)

Bidding Phase Support

- Client will solicit, collect and review bids.
- Respond to Owner and Contractor questions regarding the waterline design and specifications.
- Provide clarification in the form of an addenda, if required, to address questions.
- Review bids at Owner's request

Construction Phase Services

- Respond to Owner and Contractor questions regarding the waterline design and specifications.
- Assist Owner with questions regarding Contractor submittals prior to construction.
- Owner will witness and document construction progress. Owner will provide photos of work progress and field mark-ups to Engineers. Owner will notify Engineer of any proposed changes during construction that conflict with Engineer's drawings. Engineer will provide one (1) site visit to provide more extensive observation of Contractor's work.
- Upon completion of work, Engineer will provide record drawings for submittal to agencies.

The Scope of Services currently authorized to be performed by Engineer in accordance with the Agreement and previous amendments, if any, is modified as follows:

- The responsibilities of Owner are modified as follows:
As defined within this Amendment.
- For the Additional Services or the modifications to services set forth above, Owner shall pay Engineer the following additional or modified compensation:

Hourly Not To Exceed: An amount equal to the cumulative hours charged to the Project by each class of ENGINEER's employees times Standard Hourly Rates for each applicable billing class for all services performed on the Project, plus Reimbursable expenses. The following amounts will not be exceeded with out prior written approval.

Design Phase Services	\$3,900
Permitting	\$2,000
Bidding Phase Support	\$ 800
Construction Phase Support	\$2,400

The schedule for rendering services is modified as follows:

- Design Phase Services – Will be completed within 30 calendar days of approval of this Agreement.

Other portions of the Agreement (including previous amendments, if any) are modified as follows:

- Base mapping and existing site conditions, utility information, and right of way will be provided by Owner. This scope does not include topographic survey or field data collection of existing site conditions.
- This scope does not include right of way evaluation.
- Site conditions, including confirmation of utility size, material, depth and horizontal location shall be field verified by the Contractor and Owner's field representative prior to commencement of work shown on the plans.

The foregoing Agreement Summary is for reference only and does not alter the terms of the Agreement, including those set forth in Exhibit C.

Owner and Engineer hereby agree to modify the above-referenced Agreement as set forth in this Amendment. All provisions of the Agreement not modified by this or previous Amendments remain in effect. The Effective Date of this Amendment is _____.

OWNER:

ENGINEER:

By: _____

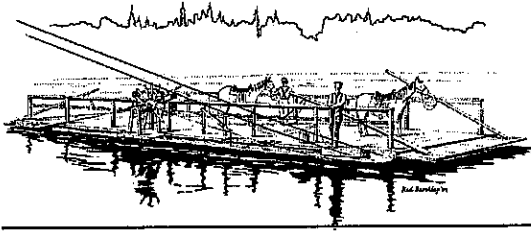
By: _____

Title: _____

Title: _____

Date
Signed: _____

Date Signed: _____



CITY OF BONNERS FERRY

7232 Main Street
P.O. Box 149
Bonners Ferry, Idaho 83805
Phone: 208-267-3105 Fax: 208-267-4375

Memo

To: Mayor and City Council
From: Kris Larson, Clerk/Treasurer
Date: 1/17/2014
Re: Flooring for City Hall Main Floor

We would like permission to research the cost of replacing the carpet and flooring on the main floor of City Hall. This would not include the council room or the newly remodeled bathroom.

I think this would be an inexpensive way to give a face lift to City Hall.

The cost for this would be split between the general fund and the enterprise funds.

Thanks,

Kris

City of Bonners Ferry

Moyle Dam GMS Analysis

	October	November	December	January	February	March	April	May	June	July	August	September
FY2009	10/27/2008 8:00	11/6/2008 8:00	12/16/2008 9:00	1/26/2009 9:00	2/17/2009 8:00	3/11/2009 9:00	4/15/2009 12:00	5/6/2009 10:00	6/9/2009 16:00	7/27/2009 13:00	8/31/2009 14:00	9/2/2009 15:00
FY2010	10/13/2009 8:00	11/18/2009 14:00	12/9/2009 9:00	1/7/2010 9:00	2/1/2010 10:00	3/10/2010 14:00	4/1/2010 14:00	5/5/2010 16:00	6/2/2010 11:00	7/20/2010 15:00	8/18/2010 13:00	9/21/2010 12:00
FY2011	10/20/2010 8:00	11/24/2010 10:00	12/6/2010 9:00	1/13/2011 9:00	2/5/2011 8:00	3/15/2011 10:00	4/7/2011 9:00	5/4/2011 16:00	6/7/2011 10:00	7/19/2011 11:00	8/9/2011 15:00	9/15/2011 12:00
FY2012	10/26/2011 9:00	11/16/2011 9:00	12/7/2011 10:00	1/18/2012 10:00	2/28/2012 9:00	3/14/2012 11:00	4/19/2012 16:00	5/1/2012 14:00	6/6/2012 9:00	7/19/2012 13:00	8/30/2012 14:00	9/27/2012 10:00
FY2013	10/31/2012 12:00	11/19/2012 13:00	12/20/2012 9:00	1/29/2013 9:00	2/27/2013 11:00	3/6/2013 11:00	4/17/2013 11:00	5/15/2013 9:00	6/4/2013 9:00	7/29/2013 10:00	8/29/2013 11:00	9/26/2013 9:00

City of Bonners Ferry Customer System Peak	Date	Date/Time of Customer System Peak	Tier 1 Customer System Peak (T1 CSP)	Moyle Dam Demand	
				City of Bonners Ferry Total Retail Demand at T1 CSP	Moyle Dam Demand Quantity at T1 CSP
October-08	10/27/2008 8:00		10,880	12,043	1,163
November-08	11/6/2008 8:00		10,570	11,928	1,358
December-08	12/16/2008 9:00		15,010	15,228	218
January-09	1/26/2009 9:00		13,850	14,760	910
February-09	2/17/2009 8:00		12,260	13,594	1,334
March-09	3/11/2009 9:00		13,060	14,172	1,112
April-09	4/15/2009 12:00		9,540	9,540	0
May-09	5/6/2009 10:00		5,730	10,078	4,348
June-09	6/9/2009 16:00		7,840	10,740	2,820
July-09	7/27/2009 13:00		7,970	10,740	2,820
August-09	8/31/2009 14:00		8,910	10,480	1,520
September-09	9/2/2009 15:00		9,250	10,650	1,410
October-09	10/13/2009 8:00		11,210	12,130	920
November-09	11/18/2009 14:00		11,420	11,420	0
December-09	12/9/2009 9:00		14,590	15,580	760
January-10	1/7/2010 9:00		13,930	14,880	950
February-10	2/1/2010 10:00		10,960	12,790	1,830
March-10	3/10/2010 14:00		10,480	10,480	20
April-10	4/1/2010 14:00		9,520	9,840	320
May-10	5/5/2010 16:00		6,820	11,220	4,370
June-10	6/2/2010 11:00		8,720	9,190	470
July-10	7/20/2010 15:00		8,780	10,270	1,490
August-10	8/18/2010 13:00		9,060	9,060	0
September-10	9/21/2010 12:00		9,080	10,730	1,700
October-10	10/20/2010 8:00		9,080	14,740	1,680
November-10	11/24/2010 10:00		13,060	14,410	2,640
December-10	12/6/2010 9:00		12,470	14,980	1,590
January-11	1/11/2011 9:00		12,460	13,920	1,520
February-11	2/5/2011 8:00		9,420	10,690	3,270
March-11	3/15/2011 10:00		8,500	10,015	2,190
April-11	4/7/2011 9:00		7,845	10,015	2,170
May-11	5/4/2011 16:00		6,035	5,135	3,100
June-11	6/7/2011 10:00		6,035	8,805	1,240
July-11	7/13/2011 11:00		7,565	9,715	700
August-11	8/3/2011 15:00		9,015	8,800	0
September-11	9/15/2011 12:00		8,800	11,735	1,910
October-11	10/26/2011 9:00		9,825	13,240	870
November-11	11/16/2011 9:00		11,370	13,690	1,360
December-11	12/7/2011 10:00		12,310	14,015	1,120
January-12	1/18/2012 10:00		12,895	13,695	1,660
February-12	2/28/2012 9:00		11,975	11,750	910
March-12	3/14/2012 11:00		10,840	9,185	190
April-12	4/19/2012 16:00		8,995	8,655	340
May-12	5/1/2012 14:00		8,315	6,555	340
June-12	6/6/2012 9:00		8,370	10,540	2,170
July-12	7/19/2012 13:00		6,310	10,650	4,340
August-12	8/30/2012 14:00		9,120	9,120	0
September-12	9/27/2012 10:00		9,640	9,640	0
October-12	10/31/2012 12:00		9,760	9,920	160
November-12	11/19/2012 13:00		9,860	12,480	2,620
December-12	12/20/2012 9:00		12,900	12,900	0
January-13	1/23/2013 9:00		10,900	14,170	3,270
February-13	2/27/2013 11:00		9,880	12,810	2,930
March-13	3/6/2013 11:00		4,590	12,790	4,200
April-13	4/17/2013 11:00		8,590	11,100	2,170
May-13	5/15/2013 9:00		6,540	9,420	2,480
June-13	6/4/2013 9:00		9,710	9,710	0
July-13	7/29/2013 10:00		9,340	9,640	0
August-13	8/29/2013 11:00		9,340	9,380	40
September-13	9/26/2013 9:00		9,330	City of Bonners Ferry GMS Analysis 2/28/2013 kbx	

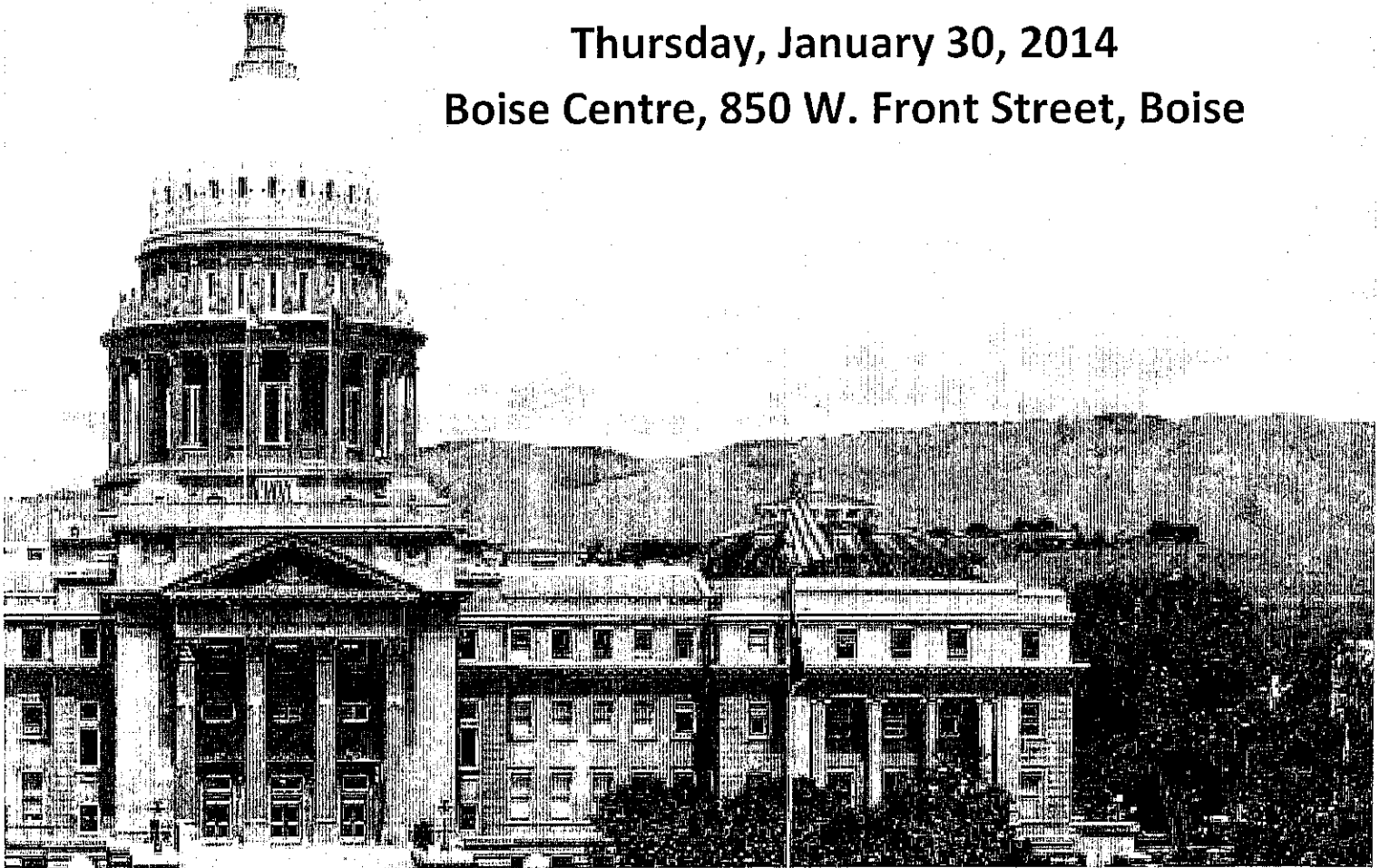
Stephen Boorman

From: Ken Harward [KHarward@idahocities.org]
Sent: Friday, January 17, 2014 11:38 AM
To: BoormanStephen
Subject: City Officials' Day At The Capitol

City Officials' Day At The Capitol

Thursday, January 30, 2014

Boise Centre, 850 W. Front Street, Boise



Agenda:

9:00 a.m. Legislative Briefing in Summit Auditorium at Boise Centre. Remarks from:

- Speaker of the House of Representatives Scott Bedke
- Senate President Pro Tem Brent Hill
- Sen. Jeff Siddoway, Senate Local Government and Taxation Committee Chair
- House Minority Leader John Rusche (invited)
- Senate Assistant Majority Leader Chuck Winder (invited)

- Idaho Governor Butch Otter
- An *AIC Legislative Handbook* and a packet of legislative issues of importance to cities will be distributed and discussed

11:30 a.m. Adjourn Legislative Briefing. City officials are encouraged to make arrangements to meet their legislators at the Capitol or at the Boise Centre. Transportation will be provided from the Boise Centre to the Capitol and back for lunch.

Noon Luncheon with Legislators in Eagle Room at Boise Centre. We encourage city officials from neighboring cities to coordinate in making arrangements to sit with legislators during lunch. Once you have made arrangements with legislators, AIC will make tent cards for you to use in reserving seats at lunch if you contact GayDawn Oyler at goyler@idahocities.org before January 28 at 5:00 p.m. Mountain Time.

Afternoon

- Tours of the Capitol
- Attend legislative committee meetings
- Meet with legislators

City officials may register for the 2014 City Officials' Day At The Capitol by [clicking on this link.](#)