



**Hartley Parking Improvements  
CONSTRUCTION BID TAB**

September 6th, 2016

**City of Duluth Project Number: Bid # 16-0587**

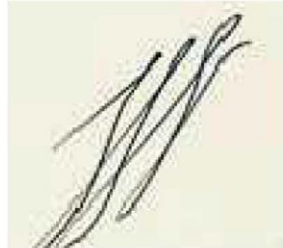
**CITY OF DULUTH**  
*Parks & Recreation Division*  
411 West First Street  
Ground Floor City Hall  
Duluth, Minnesota 55802  
(218)730-4300

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## 1.0 Certification

DATE: SEPTEMBER 6, 2016

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.



LANDSCAPE ARCHITECT SIGNATURE/ SEAL



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SIGNATURE

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LUKE W. SYDOW, LANDSCAPE ARCHITECT

REGISTRATION NUMBER 25866

SAS+ASSOCIATES SUITE 350  
219 W. FIRST STREET  
DULUTH, MN 55802

## SECTION 1: PROJECT DESCRIPTION AND SCOPE

### 1.1 General Project Description

The City of Duluth, Minnesota (herein referred to as "Owner") is seeking a contractor to construct improvements to multiple parking area in Hartley Park.

The surrounding city park lands demand a high standard of care during construction activities due to high public use, steep topography, bedrock and proximity to protected surface waters.

The contractor will be responsible for implementing and maintaining the Best Management Practices for Erosion and Sediment Control at all times throughout the entire length of the project.

The area is front country, with many areas of mobile phone coverage, and is located less than one hour from emergency medical service.

## **1.2 Project Scope**

To satisfy funding requirements for the project, the work outlined in this document shall be completed by June 1, 2017.

## **1.3 Additions and Deletions**

No extras or additional work outside of the construction documents will be allowed or paid for unless such extras or additional work are ordered in writing by the Owner, and the price fixed and agreed upon before such work is performed. The Owner will not accept any overruns nor will it pay any quantities beyond those specified without prior authorization being granted.

The Owner shall have the right, without invalidating the contract, to make additions to, or deductions from, the work defined in this document, and in case such deductions or additions are made, an equitable adjustment of the addition to or deduction in cost shall be made between the Owner and the contractor, but must be agreed to in writing.

## **1.4 Discrepancies**

Should the contractor discover discrepancies in this document, the plans or specification, the matter shall at once be brought to the attention of the Owner, and the discrepancies corrected before proceeding further. Bid tabulation sheets quantities take precedence over quantity discrepancies in the specifications or plans.

## **1.5 Contractor Coordination**

The Contractor shall make all reasonable effort to coordinate their work activities with relevant municipal construction projects in the area so that work under this contract is completed prior to the contract completion date. Coordinate work with the engineering and public works departments from the City of Duluth, St. Louis County and MnDOT, MnDNR as needed.

# **SECTION 2: PROJECT LOCATION**

## **2.1 Project Location Descriptions**

See each project construction document set for project locations.

## **SECTION 3:**

### **3.1 Erosion and Sedimentation Control**

Management of erosion and sediment on this project must follow Best Management Practices.

No excavation or fill is permitted in wetlands, streams, or along stream banks. Care must be taken to prevent any and all sediment from entering any wetland or waterway. Wetlands and stream banks will not be marked in the field. It is the responsibility of the contractor to consult with Owner prior to doing any work within suspected wetlands areas or along streams. The Owner will be responsible for identifying suspected wetlands.

### **3.2 Trail Construction Best Practices**

To satisfy erosion and sediment control requirements, surfaces must be stabilized as the project advances. Any surfaces not being worked for 7 days must be sustainable and readily drain to reduce the exposure of non-compacted soil to moisture. Any segments requiring delayed finishing must be approved in advance by the Owner. Any disturbed areas not part of active tread must be stabilized within 7 days of not being worked with erosion control blanket and seed as defined in the specifications.

### **3.3 Trees**

The projects are to be completed with minimal impact to the over story trees and the surrounding forest. Only brush and small trees should be removed from the project area. On City property trees larger than 4" DBH require permission from the Owner before they are removed. Removal of healthy trees approaching this size should be avoided and only done when there is not a better option. Dead, dying, and rotted trees can be removed if they present a clear hazard to contractors or the public. Care must be taken to avoid damage to the trees that are to remain on site.

### **3.4 Backslope**

Backslope of curbs should be blended into existing adjacent slope and stabilized. Exposed slopes shall receive seed and erosion control blanket. Backslopes shall not exceed 2:1 slope without review and approval by the Owner.

### **3.5 Spoils Stabilization**

All excavated materials not used in the project must be removed from the site. Contact the owner or owner's representative for possible permission to distribute spoils on site where directed by the owner or owner's representative.

### **3.6 Filter Strips**

Filter strips are vegetated areas downslope of the trail corridor intended to treat sheet flows coming off the tread. Filter strips function by slowing down flow velocities, filtering out sediments, and providing an opportunity for infiltration into the underlying soils. Properly mulched spoils may be designated as part of the filter strip. Filter strips shall not be used as regular travel-ways for equipment and materials. Areas with inadequate filter

strip capacity above waterways may require installation of formal erosion control measures to satisfy erosion and sediment control plan requirements.

At all times, filter strip characteristics must be maintained.

#### **4.20 Mechanized Equipment Best Practices**

All track marks will be raked smooth. Affected area will be finished to have a *natural shape*, e.g., spoils piles rounded, smoothed and cleared of significant brush, blade edges blended. A spill kit suitable for five gallons of fluid will be onsite and within 500 feet of mechanized equipment whenever equipment is being operated. Scarring of trees is to be avoided.

Machine service and fueling is not permitted within 500 feet of a wetland or drainage.

Machine access is restricted to the trail corridor. Separate access routes may only be created and used with prior written permission of the Owner. Any approved access route must be retired and reclaimed back to its original condition upon project completion.

## **SECTION 4:**

### **4.1 Mechanized Equipment Best Practices**

Using mechanized equipment equipped with tracks is strongly recommended. On project work, tracks are required for heavy equipment (greater than 500 lbs. gross weight).

All equipment will be clean and free of debris before introduced to work site. Equipment is subject to inspection at the start and during the project.

All mechanized equipment shall be in good mechanical condition, free of any fluid leaks and be equipped with spark arrestors if applicable.

Each machine will be equipped with a readily accessible fully charged fire extinguisher. Heavy equipment must have two extinguishers. Mounting locations should be chosen such that at least one fire extinguisher is accessible in the event of a rollover.

A spill kit with appropriate capacity must be mounted on the machine or available within 500 feet whenever equipment is operating.

Any equipment that does not meet these criteria shall be shut down until in compliance. If not correctable it will be removed from the project site at the request of the Owner and at no additional cost to the Owner.

As part of their bid package, the contractor will be asked to supply the expected list of mechanized equipment required to complete the project.

### **4.2 Backcountry Protocol**

The Contractor's crew shall be familiar with backcountry operation and safety protocols as well as be familiar and adept at "leave no trace" practices.

When operating mechanized equipment, at least two workers will be in close proximity to provide assistance in the event of an emergency. Each worker will have a cell phone or radio with them that can be used to summon emergency service personnel. At least one GPS type device should be on hand at each worksite to help give location information to emergency dispatch personnel.

### **4.3 Personal Protective Equipment**

It is the responsibility of the contractor to ensure that all employees working on the project equipped with and are using as appropriate the proper Personnel Protective Equipment (PPE) for the work being done. Helmets, eye protection, hearing protection, protective gloves, steel-toed boots, sunscreen, and protective clothing are considered some of the basic PPE. Face shields, breath protection, insect repellent, knee pads, shin guards and chaps are some of the other PPE that should be deployed where appropriate for the work being performed. The contractor must have at least one OSHA-compliant First Aid Kit readily available at each worksite.

### **4.4 Timetable**

As part of their bid package, the Contractor will provide an approximate timetable and schedule detailing how all project work will be met.

#### **4.5 Meetings and Progress Reviews**

The contractor shall meet with the Owner at the beginning of each work week or as otherwise agreed upon by both parties to: review progress, check completed work against the construction documents for completeness, tabulate completed work for payment and project expectations for the upcoming week.

#### **4.6 What Contractor Provides**

The Contractor shall provide the necessary supervision, equipment, materials, and tools to perform specified construction throughout the project, including fuel for any mechanized equipment/tools and any and all personal protection and safety equipment required.

#### **4.7 Food and Water**

The Contractor shall be responsible for providing food and water for self and staff.

#### **4.8 Toilet Facilities**

The contractor will be responsible for providing worksite sanitary facilities (ex. Porta-potties) for project staff or make alternate arrangements as appropriate for work areas where restroom facilities are not readily accessible.

The use of Porta-potties will be dependent on the location of the worksite relative to vehicle accessibility and concerns about potential vandalism in remote locations.

#### **4.9 Parking**

Construction personnel shall confine parking of private vehicles to those parking spaces available on public streets or public parking lots.

#### **4.10 Public Safety**

The Contractor shall ensure that reasonable precautions are taken to protect the public at all times where work is being performed.

#### **4.11 Environmental Footprint**

Contractor will be expected to institute practices to minimize the environmental footprint of construction activities. Examples are minimizing the running time of idle mechanized equipment, running equipment on bio-fuels such as bio-diesel, or buying carbon credits to offset carbon dioxide emission from the fossil fuels consumed.

#### **4.12 Fees for Licenses, Permits, and Insurance**

All costs for required licenses and insurance shall be borne by the contractor. Permits necessary for land access and environmental permits are the responsibility of the Owner and are in place.

#### **4.13 Employee/Subcontractor Conduct**

All of the contractor's employees and subcontractors shall conduct themselves in a proper manner at all times. Intoxication or any unsafe behavior by the contractor's employees while performing duties related to this contract is strictly prohibited. The contractor will be required to remove from the site any individual whose continued employment or retainer is deemed to be contrary to the public interest or inconsistent with the best interests of this trail construction project, and will not use such individual to perform services under this contract.

#### **4.14 Employee Competence**

The contractor may be required to immediately remove from the worksite any employee or subcontractor of the contractor who is incompetent or who endangers persons or property or whose physical or mental condition is such that it would impair the employee's ability to satisfactorily perform the work. Notification to the contractor shall be made by voice promptly and confirmed in writing as soon as possible. No such removal shall reduce the contractor's obligation to perform all work required under this contract.

#### **4.15 Compliance with Modern Practices**

All work shall be performed and completed in a thoroughly skillful, efficient and professional manner in accordance with best modern practices, regardless of any omissions from the attached specifications and/or drawings.

#### **4.16 Condition of Materials and Equipment**

All materials and equipment incorporated into the project shall be new or otherwise in good working order and shall comply with the applicable standard in every case where such a standard has been established for the particular type of material in question.

#### **4.17 Disposal of Materials and Supplies Not Approved**

Materials, supplies, etc., that have been delivered to the job but do not comply with specifications and have not been approved, upon notification, the contractor shall immediately remove from the premises any such condemned material, supplies, etc., and replace them with material, supplies, etc., in full accordance with the specifications.

#### **4.18 Disposal of Materials and Supplies Not Used**

Materials, supplies, etc., have been delivered to the job but are not used shall be removed from the site and properly disposed by the contractor.

#### **4.19 Access Control**

The contractor is prohibited from installing gates, cables, chains, fences, and other types of barricades to limit access to the project site without prior written permission from the Owner. It is anticipated that some type of access control will be necessary to control access to the specific project area that is under construction. It will be up to the Contractor to determine the best access control prescription.



#### **4.20 Use of Premises – Storage**

Contractor shall confine its apparatus, storage of materials, and operation of its employees/subcontractors to limits indicated by law, ordinance, permits, and/or directions of the Owner, and shall not unreasonably encumber the premises with project materials. Before any work is undertaken the contractor shall consult with the Owner and secure from Owner the use of such space as may be available for the storage of materials and/or equipment. Contractor will be held responsible for any damage done in connection with the use of this location for storage.

The Owner or Owner is not responsible for any damages that may occur to the contractor's equipment during storage whether it is from natural causes or caused by man from such unlawful acts as theft, vandalism, and arson. The contractor is responsible for providing their own property insurance. The contractor is responsible for providing their own storage and transportation equipment such as trailers, tarps, locks, or other security devices.

#### **4.21 Use of Subcontractors**

The Contractor shall be able to use subcontractors to complete the work provided the subcontractors meet all qualifications and satisfy all conditions of this project. Contractor is responsible for all actions of their subcontractor.

Subcontractor staff must be described in the bid submission. Use of subcontractors not described in the bid submission will only be allowed with written permission from the Owner.

#### **4.22 Indemnity**

The contractor shall indemnify, save, and hold harmless the Owner, the land owner, and their employees and agents, against any and all claims, damages, liability and court awards including costs, expenses, and attorney fees and related costs, incurred as a result of any act or omission by the contractor, or their employees, agents, subcontractors, or assignees pursuant to the terms of this contract.

#### **4.23 Protection of Finished Construction**

Contractor shall assume the responsibility for the protection of all finished construction under his Contract and shall repair and restore any and all damage of finished work to its original state.

Where responsibility can be established for damage to finished construction, the cost for repair or replacement shall be charged to the party responsible.

### **SECTION 5: FINAL INSPECTION, SUBTANTIAL COMPLETION, RETAINAGE, WARRANTY AND PAYMENT**

1. Upon the substantial completion of the contract work, the Owner shall accompany the contractor on an inspection of the work to create a final punch list. All defects found in the work that do not meet the intent of the construction documents will be corrected before payment will be authorized.

2. Substantial completion is defined as the point at which the requirements of the construction documents have been met and the Owner issues a letter of acceptance.
3. Final payment will be made upon substantial completion and approval of work per sub-project minus a 5% retainage. This retainage is held for a one-year warranty period and starts on the date of substantial completion.
4. Contractor shall provide separate invoices and load tickets for each of the 4 project areas. Identify quantities used on each project for any unit-quantity cost adjustments necessary.
5. All invoices must be submitted within one week of acceptance following substantial project completion.

**BID WORKSHEET A**

**1.1 Hartley Park Parking Improvements**

**Company name** \_\_\_\_\_

**Contact person** \_\_\_\_\_

**Contact person's phone number** \_\_\_\_\_

**Contact person's email** \_\_\_\_\_

**Company address** \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_

- Provide a detailed list of proposed project team members, including subcontractors, and their skill sets and relevant experience. Include separate sheet if necessary.
  
- Provide a recommended schedule/timetable and workflow description that allows for work completion per the specified schedule. Include separate sheet if necessary.

## **PROJECT SITE WORK DESCRIPTIONS**

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For each project site provide bid total and schedule.

**Project 1 – Hartley Nature Center Lot**

**Project 2 – Fairmont Street Parking Area**

**Project 3 – Hartley Road Parking Area**

**Project 4 – North Road Parking Area**

\*Each project quantities shall be tracked separately and shall be provided to the owner upon completion of each project.

By signing this, I certify that I have am fully aware of the site locations, their conditions, access restrictions and other constraints. I accept the terms and conditions expressed and contained in the plans and specifications.

*Sign:* \_\_\_\_\_ *Date:* \_\_\_\_\_

## **BID WORKSHEET B**

## Project 1

**Hartley Nature Center Parking Lot**

Proposer's initials \_\_\_\_\_

## Instructions...

- For each project bid, fill in unit price for all items on the following page.
- Failure to provide a unit price for any item will invalidate the bid for that project.
- Unit prices made on a per-project basis.
- Within each Bid Tab for each project, include additional work, unit measure, estimated quantity, unit price and total for items not shown in Bid Tab
- Insert total for each project on summary sheet. (even if estimated quantities are zero)
- Provide cost for one roundtrip mobilization

<b>Project #1 TOTAL</b>	<b>\$</b>
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**HARTLEY NATURE CENTER PARKING LOT -- PROJECT #1 - BASE BID**

The quantities provided are estimates. Contractor is responsible for providing all materials and work as is necessary for a complete project per plan.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	Unit Cost	Item Total
<b>GENERAL</b>					
1	MOBILIZATION	1	LS		
2	TRAFFIC CONTROL	1	LS		
3	TREE PROTECTION FENCING	425	LF		
<b>EROSION CONTROL</b>					
4	SILT FENCE	0	LF		
5	BIO-ROLL	1610	LF		
6	CULVERT INLET PROTECTION	1	EA		
7	CAT. 2 EROSION CONTROL BLANKET, NET 1-SIDED	970	SY		
<b>SITE DEMOLITION</b>					
8	CLEAR & GRUB	0.1	AC		
9	REMOVE & REINSTALL CONCRETE BOLLARDS	3	EA		
10	INFORMATION KIOSK REMOVAL	1	EA		
<b>EXCAVATION AND RESTORATION</b>					
11	COMMON EXCAVATION	129	CY		
12	HAUL EXCESS CUT	129	CY		
13	SOD	111	SY		
14	SEED (MIX 31-311). PREP & FERTILIZE	0.2	AC		
15	MULCH CAT. 3		AC		
<b>UTILITY CONSTRUCTION</b>					
16	4" PVC DRAIN TILE	1240	LF		
17	12" CULVERT AND FLAIRED ENDS	0	LF		
18	DEPRESSED CURB AT OUTLETS	3	EA		
19	CONCRETE SEDIMENT BASIN	3	EA		
20	INSULATION FOAM OVER SEWER LINE	1	LS		
21	STORMWATER SEDIMENT CONTROL / INFILTRATION	1	LS		

**PAVEMENT**

22	CURB AND GUTTER	1187	LF
23	GEOTEXTILE FABRIC, TYPE V	2490	SY
24	AGGREGATE BASE CLASS V (8.5")	120	CY
25	SURMOUNTABLE CURB	18	LF
26	STRIPING	1	LS
27	PERMEABLE PAVER WALK - REBUILT AND EXPANDED	670	SF

**MISC**

28	ACCESSIBLE PARKING SIGN	4	EA
29	NO PARKING SIGN	0	EA
30	ALTERNATE SIDE PARKING SIGN	0	EA
31	COMPACT CARS ONLY SIGN	2	EA
32	PARK CLOSED SIGN	0	EA
33	MISC SIGN / POST SALVAGE AND REINSTALLATION	3	EA
34	GATE - REMOVE AND REINSTALL	1	EA
35	GATE - NEW	0	EA
36	RELOCATE EXISTING PARKING LOT POLE AND LIGHT	2	EA
37	DETECTABLE WARNING FIELDS	11	EA
38	RELOCATE EXISTING TREES	3	EACH

**ALTERNATES**

39	RECLAIM BITUMINOUS PAVEMENT	1967	SY
40	BITUMINOUS TYPE SP 9.5 WEARING COURSE (1.5")	203	TON
41	BITUMINOUS TYPE SP 12.5 NON- WEARING COURSE (2")	270	TON
42	F & I PARKING LOT LIGHT AND POLE	0	EA

**PROJECT #1 TOTAL**

**BID WORKSHEET C**

**Project 2 – Add Alt #1**

***Fairmont Street Parking Area***

Proposer's initials \_\_\_\_\_

**Instructions...**

- *For each project bid, fill in unit price for all items on the following page.*
- *Failure to provide a unit price for any item will invalidate the bid for that project.*
- *Unit prices made on a per-project basis.*
- *Within each Bid Tab for each project, include additional work, unit measure, estimated quantity, unit price and total for items not shown in Bid Tab*
- *Insert total for each project on summary sheet. (even if estimated quantities are zero)*
- *Provide cost for one roundtrip mobilization*



**FAIRMONT STREET PARKING LOT -- PROJECT #2 - ADD ALT #1**

The quantities provided are estimates. Contractor is responsible for providing all materials and work as is necessary for a complete project per plan.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	Unit Cost	Item Total
<b>GENERAL</b>					
1	MOBILIZATION	1	LS		
2	TRAFFIC CONTROL	1	LS		
3	TREE PROTECTION FENCING	0	LF		
<b>EROSION CONTROL</b>					
4	SILT FENCE	0	LF		
5	BIO-ROLL	415	LF		
6	CULVERT INLET PROTECTION	1	EA		
7	CAT. 2 EROSION CONTROL BLANKET, NET 1-SIDED	705	SY		
<b>SITE DEMOLITION</b>					
8	CLEAR & GRUB	0.05	AC		
9	REMOVE & REINSTALL CONCRETE BOLLARDS	0	EA		
10	INFORMATION KIOSK REMOVAL	0	EA		
<b>EXCAVATION AND RESTORATION</b>					
11	COMMON EXCAVATION	355	CY		
12	HAUL EXCESS CUT	355	CY		
13	SOD	0	SY		
14	SEED (MIX 31-311). PREP & FERTILIZE	0.2	AC		
15	MULCH CAT. 3	0.15	AC		
<b>UTILITY CONSTRUCTION</b>					
16	4" PVC DRAIN TILE	215	LF		
17	12" CULVERT AND FLAIRED ENDS	10	LF		
18	DEPRESSED CURB AT OUTLETS	0	EA		
19	CONCRETE SEDIMENT BASIN	0	EA		
20	INSULATION FOAM OVER SEWER LINE	0	LS		
21	STORMWATER TREATMENT FEATURE	0	LS		

**PAVEMENT**

22	CURB AND GUTTER	196	LF
23	GEOTEXTILE FABRIC, TYPE V	318	SY
24	AGGREGATE BASE CLASS V (8.5")	70	CY
25	SURMOUNTABLE CURB	0	LF
26	STRIPING	1	LS
27	PERMEABLE PAVER WALK - REBUILT AND EXPANDED	0	SF

**MISC**

28	ACCESSIBLE PARKING SIGN (2)	0	EA
29	NO PARKING SIGN	1	EA
30	ALTERNATE SIDE PARKING SIGN	2	EA
31	COMPACT CARS ONLY SIGN	0	EA
32	PARK CLOSED SIGN	1	EA
33	MISC SIGN / POST SALVAGE AND REINSTALLATION	0	EA
34	GATE - REMOVE AND REINSTALL	1	EA
35	SPLIT RAIL FENCE	30	LF
36	RELOCATE EXISTING PARKING LOT POLE AND LIGHT	0	EA
37	DETECTABLE WARNING FIELDS	0	EA

**ALTERNATES**

38	RECLAIM BITUMINOUS PAVEMENT	0	SY
39	BITUMINOUS TYPE SP 9.5 WEARING COURSE (1.5")	22.4	TON
40	BITUMINOUS TYPE SP 12.5 NON- WEARING COURSE (2")	30	TON
41	F & I PARKING LOT LIGHT AND POLE	1	EA

PROJECT #2 TOTAL

**BID WORKSHEET D**

**Project 3 - Add Alt #2**

***Hartley Road Parking Area***

Proposer's initials \_\_\_\_\_

**Instructions...**

- *For each project bid, fill in unit price for all items on the following page.*
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- *Unit prices made on a per-project basis.*
- *Within each Bid Tab for each project, include additional work, unit measure, estimated quantity, unit price and total for items not shown in Bid Tab*
- *Insert total for each project on summary sheet. (even if estimated quantities are zero)*
- *Provide cost for one roundtrip mobilization*

**Hartley Road Parking Lot-- Project #3 - ADD ALT #3**

The quantities provided are estimates. Contractor is responsible for providing all materials and work as is necessary for a complete project per plan.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	ITEM TOTAL
<b>GENERAL</b>					
1	MOBILIZATION	1	LS		
2	TRAFFIC CONTROL	1	LS		
<b>EROSION CONTROL</b>					
3	SILT FENCE	440	LF		
4	BIO ROLL	22	LF		
5	INLET PROTECTION	4	EA		
6	CAT. 2 EROSION CONTROL BLANKET, NET 1 SIDED	150	SY		
<b>SITE DEMOLITION</b>					
7	CLEAR & GRUB	0.11	AC		
8	REMOVE CONCRETE FLUME	1	LS		
9	REMOVE WOODEN BOLLARDS	1	LS		
<b>EXCAVATION AND RESTORATION</b>					
10	COMMON EXCAVATION	160	CY		
11	HAUL EXCESS CUT	100	CY		
12	SOD	65	SY		
13	SEED (MIX 36-311), PREP. & FERTILIZE	0.08	AC		
14	MULCH CAT. 3	0.08	AC		
<b>UTILITY CONSTRUCTION</b>					
15	4" PVC DRAIN TILE	525	LF		
16	ADJUST CASTING	2	EA		
17	CURB CUT WITH FRAME AND CASTING	1	EA		

<b>PAVEMENT</b>					
18	CURB & GUTTER (B624)	528	LF		
19	CONCRETE CLOTH	406	SF		
20	GEOTEXTILE FABRIC, TYPE V	841	SY		
21	AGGREGATE BASE CLV (8.5")	182	CY		
22	SURMOUNTABLE CURB	20	LF		
23	STRIPING	1	LS		
<b>MISC</b>					
24	ACCESSIBLE PARKING SIGN	1	EA		
25	SAVE AND REINSTALL LIGHT POLE	1	LS		
26	RELOCATE SLABS & J-BARRIERS	1	LS		
27	MISC. SIGN SALVAGE & REINSTALL	1	LS		
28	GATE	1	EA		
29	REGULATORY SIGN (STOP, YIELD, ETC.)	4	EA		
<b>ALTERNATES</b>					
30	SAWCUT BITUMINUOUS PAVEMENT (FULL DEPTH)	67	LF		
31	REMOVE BITUMINOUS PAVEMENT	465	SY		
32	BITUMINOUS TYPE SP 9.5 WEARING COURSE (1.5")	54	TON		
33	BITUMINOUS TYPE SP 12.5NON-WEARING COURSE (2")	73	TON		
34	F & I PARKING LOT LIGHT AND POLE	1	EA		
35	REMOVE CURB & GUTTER	72	LF		

PROJECT #3 TOTAL

**BID WORKSHEET E**

**Project 4 – Add Alt #3**  
**North Road Parking Area**

Proposer's initials \_\_\_\_\_

**Instructions...**

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- *Unit prices made on a per-project basis.*
- *Within each Bid Tab for each project, include additional work, unit measure, estimated quantity, unit price and total for items not shown in Bid Tab*
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- *Provide cost for one roundtrip mobilization*

**NORTH ROAD PARKING LOT -- PROJECT #4 - ADD ALT #3**

The quantities provided are estimates. Contractor is responsible for providing all materials and work as is necessary for a complete project per plan.

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT COST	ITEM TOTAL
<b>GENERAL</b>					
1	MOBILIZATION	1	LS		
2	TRAFFIC CONTROL	1	LS		
3	TREE PROTECTION FENCING	0	LF		
<b>EROSION CONTROL</b>					
4	SILT FENCE	0	LF		
5	BIO-ROLL	440	LF		
6		1	EA		
7	CAT. 2 EROSION CONTROL BLANKET, NET 1-SIDED	135	SY		
<b>SITE DEMOLITION</b>					
8	CLEAR & GRUB	0.05	AC		
9	REMOVE & REINSTALL CONCRETE BOLLARDS	0	EA		
10	REMOVE EXISTING ASPHALT	37	SY		
11	INFORMATION KIOSK REMOVAL	0	EA		
<b>EXCAVATION AND RESTORATION</b>					
12	COMMON EXCAVATION	33	CY		
13	HAUL EXCESS CUT	33	CY		
14	SOD	0	SY		
15	SEED (MIX 31-311). PREP & FERTILIZE	0.03	AC		
16	MULCH CAT. 3	0	AC		
<b>UTILITY CONSTRUCTION</b>					
17	4" PVC DRAIN TILE	220	LF		
18	12" CULVERT AND FLAIRED ENDS	0	LF		
19	DEPRESSED CURB AT OUTLETS	1	EA		
20	CONCRETE SEDIMENT BASIN	1	EA		
21	INSULATION FOAM OVER SEWER LINE	0	LS		
21	STORMWATER TREATMENT FEATURE	1	LS		

**PAVEMENT**

22	CURB AND GUTTER	196	LF
23	GEOTEXTILE FABRIC, TYPE V	63	SY
24	AGGREGATE BASE CLASS V (8.5")	1.54	CY
25	SURMOUNTABLE CURB	0	LF
26	STRIPING	1	LS
27	PERMEABLE PAVER WALK - REBUILT AND EXPANDED	0	SF

**MISC**

28	ACCESSIBLE PARKING SIGN (2)	0	EA
29	NO PARKING SIGN	1	EA
30	ALTERNATE SIDE PARKING SIGN	2	EA
31	COMPACT CARS ONLY SIGN	0	EA
32	PARK CLOSED SIGN	1	EA
33	MISC SIGN / POST SALVAGE AND REINSTALLATION	0	EA
34	GATE - REMOVE AND REINSTALL	0	EA
35	GATE - NEW	0	EA
36	RELOCATE EXISTING PARKING LOT POLE AND LIGHT	1	EA
37	DETECTABLE WARNING FIELDS	0	EA

**ALTERNATES**

38	RECLAIM BITUMINOUS PAVEMENT	0	SY
39	BITUMINOUS TYPE SP 9.5 WEARING COURSE (1.5")	3.4	TON
40	BITUMINOUS TYPE SP 12.5 NON- WEARING COURSE (2")	4.55	TON
41	F & I PARKING LOT LIGHT AND POLE	0	EA

PROJECT #4 TOTAL



Project	SubTotal
<i><b>Project Number 1 – Base Bid</b></i>	
<i><b>Project Number 2 – Add Alt #1</b></i>	
<i><b>Project Number 3 – Add Alt #2</b></i>	
<i><b>Project Number 4 – Add Alt #3</b></i>	
<i><b>PROJECT TOTAL</b></i>	

\*Contractor is responsible for restoration of all damaged surfaces, vegetation, etc., caused by their work. All restoration work must be completed prior to project close-out. All material and labor necessary to complete the project as described in these construction documents, must be accounted for in the above bid totals.