



Purchasing Division
Finance Department
Room 120
411 West First Street
Duluth, Minnesota 55802

218-730-5340
purchasing@duluthmn.gov

Addendum 4
Solicitation 21-99575
Lakewalk Shoreline Rehabilitation – Phase IV

This addendum serves to notify all bidders of the following changes to the solicitation documents:

1. Question: Is the existing concrete and misc. debris to be hauled off site?
Response: Yes, all existing concrete and misc. debris shall be hauled off site and properly disposed of.
2. Question: Will the silt curtains be required?
Response: Yes. The Contractor shall assume that silt curtains will be required at the locations shown on the plans.
3. Question: For the concrete crack repairs at Site A, what is the lower end of the crack widths for crack repairs < 1/8"
Response: The Contractor shall assume that the lower end of the crack width to be 1/16".
4. ALT 5 has been added to the bid form for Site A to incorporate the concrete crack repair bid items.

Please acknowledge receipt of this Addendum by checking the acknowledgment box within the www.bidexpress.com solicitation or by initialing and dating next to Addendum 4 on the paper bid form if you requested one five (5) business days prior to bid opening.

Posted: **August 12, 2021**

BID FORM - SITE A

System	Item	Type	Unit	Qty
01	Mob/Demob	Mobilization/Demobilization (Assuming all 8 sites are completed as one project)	LS	1
02	Erosion & Sediment Control	Erosion and Sediment Control including all BMPs and Silt Curtain	LS	1
03	Traffic Control & Signage	Traffic Control & Signage to protect and safely detour public	LS	1
04	Site Preparation and Demolition	Includes Site Preparation, Site Layout, Demolition and Salvaging	LS	1
05	Excavation & Disposal	Excavate existing soils and haul off debris/trees	LS	1
06	Site Restoration	Site Restoration and cleanup of project site	LS	1
08	Bonds	Performance and Payment Bonds	LS	1
09	Salvaged Stone and Soil	Salvaging onsite stone materials and soil and re-installing per plans	LS	1
10	Filter Stone	Filter Stone	TN	300
11	Armor Stone	Armor Stone for Armor Stone Revetment	TN	1,650
13	Toe Stone	Toe Stone	TN	200
14	Geotextile	High Strength Non-woven Geotextile (Propex Geotex 1600)	SY	1,200
15	Toe Stone Anchoring (under water line)	Includes reinforcement anchoring and associated work and materials	EA	75
16	Toe Stone Anchoring (above water line)	Includes reinforcement anchoring and associated work and materials	EA	13
ALT 1	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 1 to 100 LF	LF	1
ALT 2	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 100 to 500 LF	LF	1
ALT 3	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 500+ LF	LF	1
ALT 4	Site A - West & East Ends	Additional 135 LF beyond ends of concrete retaining wall (includes all work associated within this work area)	LS	1
ALT 5	Retaining Wall Repairs	Crack Repair and Injection > 1/8"	LF	85
	Retaining Wall Repairs	Crack Repair and Injection < 1/8"	LF	175

BID FORM - SITE D

System	Item	Type	Unit	Qty
01	Mob/Demob	Mobilization/Demobilization (Assuming all 8 sites are completed as one project)	LS	1
02	Erosion & Sediment Control	Erosion and Sediment Control including all BMPs and Silt Curtain	LS	1
03	Traffic Control & Signage	Traffic Control & Signage to protect and safely detour public	LS	1
04	Site Preparation and Demolition	Includes Site Preparation, Site Layout, Demolition and Salvaging	LS	1
05	Excavation & Disposal	Excavate existing soils and haul off debris/trees	LS	1
06	Site Restoration	Site Restoration and cleanup of project site	LS	1
07	Haul Roads	Maintenance and replacement of haul roads	LS	1
08	Bonds	Performance and Payment Bonds	LS	1
09	Salvaged Stone and Soil	Salvaging onsite stone materials and soil and re-installing per plans	LS	1
10	Filter Stone	Filter Stone	TN	275
11	Armor Stone	Armor Stone for Armor Stone Revetment	TN	1,375
12	Armor Stone Public Barrier Wall	Armor Stone for Barrier Wall (3.5 ft x 3.5 ft x 5 ft stones)	TN	95
13	Toe Stone	Toe Stone	TN	135
14	Geotextile	High Strength Non-woven Geotextile (Propex Geotex 1600)	SY	560
15	Toe Stone Anchoring (under water line)	Includes reinforcement anchoring and associated work and materials	EA	75
16	Toe Stone Anchoring (above water line)	Includes reinforcement anchoring and associated work and materials	EA	13
17	Backfill	Imported Sandy Clay Backfill	CY	230
18	Geocells	Geocells	SY	125
19	Geogrid	Bi-axial Geogrid	SY	655
20	Storm Sewer Headwalls	Install new storm sewer headwalls and aprons	EA	1
24	48"-54" RCP Sewer	Replace existing damaged RCP storm sewer pipe	LF	8
ALT 1	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 1 to 100 LF	LF	1
ALT 2	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 100 to 500 LF	LF	1
ALT 3	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 500+ LF	LF	1

BID FORM - SITE E

System	Item	Type	Unit	Qty
01	Mob/Demob	Mobilization/Demobilization (Assuming all 8 sites are completed as one project)	LS	1
02	Erosion & Sediment Control	Erosion and Sediment Control including all BMPs	LS	1
03	Traffic Control & Signage	Traffic Control & Signage to protect and safely detour public	LS	1
04	Site Preparation and Demolition	Includes Site Preparation, Site Layout, Demolition and Salvaging	LS	1
05	Excavation & Disposal	Excavate existing soils and haul off debris/trees	LS	1
06	Site Restoration	Site Restoration and cleanup of project site	LS	1
07	Haul Roads	Maintenance and replacement of haul roads	LS	1
08	Bonds	Performance and Payment Bonds	LS	1
09	Salvaged Stone and Soil	Salvaging onsite stone materials and soil and re-installing per plans	LS	1
10	Filter Stone	Filter Stone	TN	100
11	Armor Stone	Armor Stone for Armor Stone Revetment	TN	700
12	Armor Stone Public Barrier Wall	Armor Stone for Barrier Wall (3.5 ft x 3.5 ft x 5 ft stones)	TN	50
13	Toe Stone	Toe Stone	TN	75
14	Geotextile	High Strength Non-woven Geotextile (Propex Geotex 1600)	SY	230
16	Toe Stone Anchoring (above water line)	Includes reinforcement anchoring and associated work and materials	EA	28
17	Backfill	Imported Sandy Clay Backfill	CY	40
18	Geocells	Geocells	SY	65
19	Geogrid	Bi-axial Geogrid	SY	330
20	Storm Sewer Headwalls	Install new storm sewer headwalls and aprons	EA	3
21	12"-15" RCP Sewer	Replace existing damaged RCP storm sewer pipe	LF	12
23	44" Arch RCP Sewer	Replace existing damaged RCP storm sewer pipe	LF	16
ALT 1	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 1 to 100 LF	LF	1
ALT 2	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 100 to 500 LF	LF	1
ALT 3	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 500+ LF	LF	1

BID FORM - SITE F

System	Item	Type	Unit	Qty
01	Mob/Demob	Mobilization/Demobilization (Assuming all 8 sites are completed as one project)	LS	1
02	Erosion & Sediment Control	Erosion and Sediment Control including all BMPs and Silt Curtain	LS	1
03	Traffic Control & Signage	Traffic Control & Signage to protect and safely detour public	LS	1
04	Site Preparation and Demolition	Includes Site Preparation, Site Layout, Demolition and Salvaging	LS	1
05	Excavation & Disposal	Excavate existing soils and haul off debris/trees	LS	1
06	Site Restoration	Site Restoration and cleanup of project site	LS	1
07	Haul Roads	Maintenance and replacement of haul roads	LS	1
08	Bonds	Performance and Payment Bonds	LS	1
09	Salvaged Stone and Soil	Salvaging onsite stone materials and soil and re-installing per plans	LS	1
10	Filter Stone	Filter Stone	TN	575
11	Armor Stone	Armor Stone for Armor Stone Revetment	TN	2,775
12	Armor Stone Public Barrier Wall	Armor Stone for Barrier Wall (3.5 ft x 3.5 ft x 5 ft stones)	TN	185
13	Toe Stone	Toe Stone	TN	325
14	Geotextile	High Strength Non-woven Geotextile (Propex Geotex 1600)	SY	2,020
15	Toe Stone Anchoring (under water line)	Includes reinforcement anchoring and associated work and materials	EA	75
16	Toe Stone Anchoring (above water line)	Includes reinforcement anchoring and associated work and materials	EA	13
17	Backfill	Imported Sandy Clay Backfill	CY	550
18	Geocells	Geocells	SY	295
19	Geogrid	Bi-axial Geogrid	SY	1,540
20	Storm Sewer Headwalls	Install new storm sewer headwalls and aprons	EA	1
22	30"-42" RCP Sewer	Replace existing damaged RCP storm sewer pipe	LF	8
ALT 1	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 1 to 100 LF	LF	1
ALT 2	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 100 to 500 LF	LF	1
ALT 3	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 500+ LF	LF	1

BID FORM - SITE G

System	Item	Type	Unit	Qty
01	Mob/Demob	Mobilization/Demobilization (Assuming all 8 sites are completed as one project)	LS	1
02	Erosion & Sediment Control	Erosion and Sediment Control including all BMPs and Silt Curtain	LS	1
03	Traffic Control & Signage	Traffic Control & Signage to protect and safely detour public	LS	1
04	Site Preparation and Demolition	Includes Site Preparation, Site Layout, Demolition and Salvaging	LS	1
05	Excavation & Disposal	Excavate existing soils and haul off debris/trees	LS	1
06	Site Restoration	Site Restoration and cleanup of project site	LS	1
07	Haul Roads	Maintenance and replacement of haul roads	LS	1
08	Bonds	Performance and Payment Bonds	LS	1
09	Salvaged Stone and Soil	Salvaging onsite stone materials and soil and re-installing per plans	LS	1
10	Filter Stone	Filter Stone	TN	200
11	Armor Stone	Armor Stone for Armor Stone Revetment	TN	830
12	Armor Stone Public Barrier Wall	Armor Stone for Barrier Wall (3.5 ft x 3.5 ft x 5 ft stones)	TN	50
13	Toe Stone	Toe Stone	TN	90
14	Geotextile	High Strength Non-woven Geotextile (Propex Geotex 1600)	SY	520
15	Toe Stone Anchoring (under water line)	Includes reinforcement anchoring and associated work and materials	EA	75
16	Toe Stone Anchoring (above water line)	Includes reinforcement anchoring and associated work and materials	EA	13
17	Backfill	Imported Sandy Clay Backfill	CY	140
18	Geocells	Geocells	SY	75
19	Geogrid	Bi-axial Geogrid	SY	400
20	Storm Sewer Headwalls	Install new storm sewer headwalls and aprons	EA	1
22	30"-42" RCP Sewer	Replace existing damaged RCP storm sewer pipe	LF	8
ALT 1	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 1 to 100 LF	LF	1
ALT 2	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 100 to 500 LF	LF	1
ALT 3	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 500+ LF	LF	1

BID FORM - SITE H

System	Item	Type	Unit	Qty
01	Mob/Demob	Mobilization/Demobilization (Assuming all 8 sites are completed as one project)	LS	1
02	Erosion & Sediment Control	Erosion and Sediment Control including all BMPs and Silt Curtain	LS	1
03	Traffic Control & Signage	Traffic Control & Signage to protect and safely detour public	LS	1
04	Site Preparation and Demolition	Includes Site Preparation, Site Layout, Demolition and Salvaging	LS	1
05	Excavation & Disposal	Excavate existing soils and haul off debris/trees	LS	1
06	Site Restoration	Site Restoration and cleanup of project site	LS	1
07	Haul Roads	Maintenance and replacement of haul roads	LS	1
08	Bonds	Performance and Payment Bonds	LS	1
10	Filter Stone	Filter Stone	TN	780
11	Armor Stone	Armor Stone for Armor Stone Revetment	TN	1,850
13	Toe Stone	Toe Stone	TN	200
14	Geotextile	High Strength Non-woven Geotextile (Propex Geotex 1600)	SY	820
15	Toe Stone Anchoring (under water line)	Includes reinforcement anchoring and associated work and materials	EA	75
16	Toe Stone Anchoring (above water line)	Includes reinforcement anchoring and associated work and materials	EA	13
17	Backfill	Imported Sandy Clay Backfill	CY	110
18	Geocells	Geocells	SY	175
19	Geogrid	Bi-axial Geogrid	SY	935
20	Storm Sewer Headwalls	Install new storm sewer headwalls and aprons	EA	7
21	12"-15" RCP Sewer	Replace existing damaged RCP storm sewer pipe	LF	8
ALT 1	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 1 to 100 LF	LF	1
ALT 2	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 100 to 500 LF	LF	1
ALT 3	Toe Stone Trenching Unit Price	Trenching toe stone into bedrock (no mechanical anchoring) - 500+ LF	LF	1