



4525 Airport Approach Road, Suite A
Duluth, Minnesota 55811
P: 218-722-1227
F: 218-722-1052
Date: May 20, 2009

RE: **City of Duluth Bid #09-4401**
(Replacement Terminal Area Development Landside Site – Phase 1)

Addendum #4

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated May 11, 2009. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject the Bidder to disqualification.

Invitation to Bid:

No Changes.

Bid Form:

Delete "Bid Division #1 – Civil Site" -Schedule of Values (3 sheets) in bid packet and replace with "Revised Bid Division #1 – Civil Site" Schedule of values (Attached - 3 sheets).

Delete "Bid Division #2 – Site Electrical" -Schedule of Values (1 sheet) in bid packet and replace with "Revised Bid Division #2 – Site Electrical" Schedule of values (Attached - 1 sheet).

Specifications:

Part 9 – Special Provisions

S-9 (1710) TRAFFIC CONTROL DEVICES

Delete Paragraph #2 and replace with the following:

Payment for all signs, pavement markings and removal of signs, and pavement markings required for phasing of traffic flow shall be paid under Item 127 – SP 43.3 Traffic Control Allowance.

SP-43.1 TRAFFIC CONTROL ALLOWANCE

Add the following to the end of item SP 43.1:

The contractor shall include a \$50,000 allowance to be used to pay for developing a traffic control plan for the engineer's approval, implementing and maintaining the approved traffic control plan, and furnishing and installation of traffic control devices.



4525 Airport Approach Road, Suite A
Duluth, Minnesota 55811
P: 218-722-1227
F: 218-722-1052

SP-57 (2105) GEOTEXTILE FOR SEPARATION (STABILIZATION)

Geotextile Fabric shall consist of the furnishing, placing and protection of a stabilization type geotextile fabric placed below the fill or base course materials in areas of unstable or softer subgrade. The work areas are as detailed on the Drawings.

The work shall be accomplished in accordance with Section 2105 of the Minnesota Department of Transportation, "Standard Specifications for Construction", 2005 Edition, (MnDOT Specifications). The specific purpose of this work is to provide a separation between the embankment materials to be placed under this project and any underlying softer soils, to prevent mixing and contamination of soils layers and base course layer(s), to provide a more stable construction platform for the construction of the embankments or shoulders, to assist with obtaining consistent compaction results and to minimize the potential for differential movement of the embankment.

MATERIALS REQUIREMENTS

The geotextile materials shall conform to the requirements of Section 3733, Type V, non-woven, of the MnDOT Specifications.

CONSTRUCTION REQUIREMENTS

The prepared surface shall be relatively smooth and free of stones, sticks, or other debris or irregularities that would end to puncture or tear the geotextile. Unless otherwise directed or approved the Engineer, the geotextile shall be placed with the highest strength direction (usually the machine or roll direction) oriented in the direction of the greatest expected field stress. This would be expected to be at right angles to the centerline of the construction.

If multiple pieces of the geotextile are required, adjacent strips shall be field or factory sewn, with the seams to have a strength as specified in Section 3733.2B3 of MnDOT Specifications. All seams shall be sewn using a double spool machine capable of sewing a Federal Type 401 locking stitch. Seam type, (flat, "J" or butterfly), thread strength (25 pounds minimum), number of rows of stitching (1 or 2) and stitches per inch (typically 5 to 7), shall be consistent with achieving the required seam strength and as recommended by the geotextile manufacturer.

The geotextile shall be adequately secured so that it is not displaced during subsequent construction. No traffic or construction equipment will be permitted to operate directly on the geotextile. Any damaged geotextile shall be repaired to the satisfaction of the Engineer by patching and sewing or, when appropriate, a 36-inch overlay on all sides with sewing.

Fill materials shall be placed onto the fabric in uniform lifts as required by the applicable specification and plan details. The process used to place, manipulate and compact materials placed on the fabric is subject to the approval of the Engineer. No lift shall be greater than 12 inches in loose depth, unless required



4525 Airport Approach Road, Suite A
Duluth, Minnesota 55811
P: 218-722-1227
F: 218-722-1052

to bring the subgrade up above water level or to provide stability. Fill to be placed under water and to two foot above standing water level shall be granular and special protection will have to be accommodated by the Contractor to protect the fabric.

METHOD OF MEASUREMENT

Measurement of the materials will be the number of square yards of acceptable materials placed, measured in a horizontal plane. No allowance shall be made for seams.

BASIS OF PAYMENT

Payment shall be made at the contract unit price per Square Yard, which price and payment shall be full compensation for furnishing and placing all material and for all labor, equipment, tools, and incidentals, including but not limited to seaming, placement, repair, anchoring and smoothing necessary to complete the work to the satisfaction of the Engineer as prescribed in this item.

Payment will be made under:

Item 2575.604/00003 Geotextile Filter Fabric -- per Square Yard"

Drawings:

Sheet C002: Revise specification numbers for Bid Items 124 through 139 to match new specification numbers in Revised Schedule of Values attached.

All else remains the same.

Sincerely,
Reynolds, Smith and Hills, Inc.

John E. Hippchen, PE

END OF ADDENDUM NO. 4

REVISED BID DIVISION #1 - CIVIL SITE

BID ITEM	SPEC. NUMBER	ITEM DESCRIPTION	UNIT	SCHEDULE A - ACCESS ROAD & SITE			SCHEDULE B - PARKING LOT & SITE		
				ESTIMATED QUANTITY	UNIT COST	TOTAL COST	ESTIMATED QUANTITY	UNIT COST	TOTAL COST
1	P-100	MOBILIZATION	LS	1					
2	P-102	SAFETY AND SECURITY	LS	1					
3	P-104	PROJECT SURVEY AND STAKEOUT	LS	1					
4	P-105	TEMPORARY CONSTRUCTION ITEMS	LS	1					
5	P-156.501	EROSION CONTROL	LS	1					
6	F-162.501	6" CHAIN LINK FENCE W/ 3 STRANDS BARBED WIRE	LF	421					
7	F-162.502	6" TEMPORARY CHAIN LINK FENCE	LF	475					
8	F-162.503	20" VERTICAL PIVOT GATE	LS	1					
9	F-162.504	10' WIDE x 6' SINGLE LEAF SWING GATE (W/ PRIVACY SLATS)	LS				1		
10	F-162.505	CHAIN LINK FENCE DESIGN SPECIAL (6" W/ PRIVACY SLATS)	LF						
11	2100.601/00001	RELOCATE BUILDING - TOLL BOOTHS	LS				93		
12	2101.501/00010	CLEARING	ACRE	0.45			2		
13	2101.502/00010	CLEARING	TREE	9					
14	2101.506/00010	GRUBBING	ACRE	0.45					
15	2101.507/00010	GRUBBING	TREE	9					
16	2103.501/00010	BUILDING REMOVAL (GARAGE)	LS	1					
17	2104.501/00016	REMOVE SEWER PIPE (STORM)	LF	605					
18	2104.501/00062	REMOVE FENCE	LF	715			1122		
19	2104.501/00062	REMOVE CONCRETE CURB AND GUTTER	LF	4000					
20	2104.505/00110	REMOVE CONCRETE PAVEMENT	SY	275					
21	2104.505/00120	REMOVE BITUMINOUS PAVEMENT	SY	18500					
22	2104.509/00100	REMOVE MANHOLES OR CATCH BASINS	EACH	8					
23	2104.511/00011	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LF	60					
24	2104.513/00011	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	1150					
25	2105.503/00010	ROCK EXCAVATION	CY	1000					
26	2105.505/00010	MUCK EXCAVATION	CY	1000			1000		
27	2105.515/00010	UNCLASSIFIED EXCAVATION	CY	56200			1000		
28	2105.521/00032	GRANULAR BORROW MOD 1% (CY)	CY	14500			37406		
29	2105.525/00030	TOPSOIL BORROW (CY) OBTAINED OFFSITE	CY	2200			17000		
30	2211.503/00050	AGGREGATE BASE (CY) CLASS 5	CY	7750			1450		
31	2221.503/00010	AGGREGATE SHOULDERING (CY) CLASS 1	CY	90			11400		
32	2357.502/00010	BITUMINOUS MATERIAL FOR TACK COAT	GAL	1825					
33	2358.501/00010	BITUMINOUS MATERIAL FOR PRIME COAT	GAL	4350			3000		
34	2360.501/23600	TYPE (SP12.5) WEARING COURSE MIXTURE (3.F)	TON	2400			7475		
35	2360.502/23600	TYPE (SP12.5) NON WEARING COURSE MIXTURE (3.F)	TON	4800			3945		
36	2401.515	SIDEWALK CONCRETE (MIX #3432) W/ 6" x 6" W/FF	SF	3600			2650		
37	2401.521/00030	STRUCTURE EXCAVATION CLASS R	CY	200			200		
38	2411.507	CONCRETE RETAINING WALL	EACH	1					
39	2501.511	24" CORRUGATED HDPE PIPE CULVERT	LF	112					
40	2501.515	24" CORRUGATED HDPE PIPE APRON	EACH	2					
41	2502.541	4" PERFORATED (PVC) PIPE UNDERDRAIN SDR 35	LF	7057			3957		
42	2503.511	72" CORRUGATED HDPE PIPE SEWER	LF	1049			605		
43	2503.511	18" CORRUGATED HDPE PIPE SEWER	LF	1440			24		
44	2503.511	24" CORRUGATED HDPE PIPE SEWER	LF	506					
45	2503.511	30" CORRUGATED HDPE PIPE SEWER	LF	341					
46	2503.511	36" CORRUGATED HDPE PIPE SEWER	LF	130					
47	2503.511/1308D	6" PVC PIPE SEWER (SANITARY)	LF	45					

BID ITEM	SPEC. NUMBER	ITEM DESCRIPTION	UNIT	SCHEDULE A - ACCESS ROAD & SITE			SCHEDULE B - PARKING LOT & SITE		
				ESTIMATED QUANTITY	UNIT COST	TOTAL COST	ESTIMATED QUANTITY	UNIT COST	TOTAL COST
48	2503.511/3080	8" PVC PIPE SEWER (SANITARY)	LF	274					
49	2503.573	INSTALL 12" HOPE APRON SECTION	EACH	4					
50	2503.573	INSTALL 18" HOPE APRON SECTION	EACH	1					
51	2503.573	INSTALL 24" HOPE APRON SECTION	EACH	1					
52	2503.573	INSTALL 30" HOPE APRON SECTION	EACH	2					
53	2503.573	INSTALL 36" HOPE APRON SECTION	EACH	1					
54	2503.602/00061	6" CLEANOUT ASSEMBLY (SANITARY)	EACH	1					
55	2503.602	CONNECT TO EXISTING STORM MARHOLE	EACH	4					
56	2503.602/00040	CONNECT TO EXISTING SANITARY SEWER	EACH	1					
57	2504.802/00024	INSTALL HYDRANT & VALVE	EACH	4					
58	2504.603	4" PVC IRRIGATION CONDUIT - SDR 35	LF	246			1297		
59	2504.603/01063	6" WATERMAIN DUCTILE IRON CL 53	LF	351					
60	2504.603/01063	8" WATERMAIN DUCTILE IRON CL 53	LF	589					
61	2503.603/02020	2" HP POLYETHYLENE GAS MAIN	LF	796					
62	2506.502	CONSTRUCT DRAINAGE STRUCTURE TYPE G	EACH	15			70		
63	2506.502	CONSTRUCT DRAINAGE STRUCTURE TYPE F	EACH	4					
64	2506.502	CONSTRUCT DRAINAGE STRUCTURE TYPE 48 - 4020	EACH	18					
65	2506.502	CONSTRUCT DRAINAGE STRUCTURE TYPE 60 - 4020	EACH	8			2		
66	2506.502	CONSTRUCT DRAINAGE STRUCTURE TYPE 72 - 4020	EACH	3					
67	2506.502	CONSTRUCT DRAINAGE STRUCTURE TYPE 84 - 4020	EACH	3					
68	2506.503	RECONSTRUCT DRAINAGE STRUCTURE	LF	3.6					
69	2506.521	INSTALL CASTING	EACH	2					
70	2506.521	SANITARY CASTING	EACH	2					
71	2506.522/00011	ADJUST FRAME & RING CASTING	EACH	2					
72	2506.602/00011	MANHOLE (SANITARY)	EACH	2			1		
73	2511.501	RANDOM RIPRAP CLASS III	EACH	2					
74	2511.501	RANDOM RIPRAP CLASS IV	CYD	100					
75	2521.618/00050	BRICK WALK	CYD	175					
76	2531.501/02120	CONCRETE CURB & GUTTER DESIGN D424	SF	400					
77	2531.501/02320	CONCRETE CURB & GUTTER DESIGN B624	LF	9500			500		
78	2531.503/00013	CONCRETE MEDIAN (NOSE)	SF	8			5700		
79	2531.618	CONSTRUCT PEDESTRIAN RAMP (w/ TRUNCATED DORIES)	EACH	6			19		
89	2564.537/00010	INSTALL SIGN TYPE A, STOP SIGN, R1-1 (COMPLETE W/ POST)	EACH	4					
90	2564.537/00010	INSTALL SIGN TYPE A, SPEED LIMIT 20 SIGN, R2-1 (COMPLETE W/ POST)	EACH	1					
91	2564.537/00010	INSTALL SIGN TYPE A, ONE WAY SIGN, R6-2R (COMPLETE W/ POST)	EACH	3					
92	2564.537/00010	INSTALL SIGN TYPE A, HANDICAP SIGN, R7-8m (COMPLETE W/ POST)	EACH				18		
93	2564.537/00010	INSTALL SIGN TYPE A, TWO WAY TRAFFIC SIGN, W6-3 (COMPLETE W/ POST)	EACH	1					
94	2564.537/00010	INSTALL SIGN TYPE A, DOUBLE ARROW SIGN, W12-1 (COMPLETE W/ POST)	EACH	4					
95	2564.537/00010	INSTALL SIGN TYPE A, BEGIN ONE WAY SIGN, R6-X1 (COMPLETE W/ POST)	EACH	1					

BID ITEM	SPEC. NUMBER	ITEM DESCRIPTION	SCHEDULE A - ACCESS ROAD & SITE			SCHEDULE B - PARKING LOT & SITE		
			ESTIMATED QUANTITY	UNIT COST	TOTAL COST	ESTIMATED QUANTITY	UNIT COST	TOTAL COST
96	2564.537/00010	INSTALL SIGN TYPE A, END ONE WAY SIGN, R6-X1 (COMPLETE W/ POST)	1	EACH				
97	2573.502	SILT FENCE TYPE MACHINE SLICED	4410	LF				
98	2573.502	SILT FENCE TYPE HEAVY DUTY	656	LF				
99	2573.502	SILT FENCE TYPE SUPER DUTY	343	LF				
100	2573.530	STORM DRAIN INLET PROTECTION	48	EACH		12		
101	2573.540	FILTER LOG TYPE STRAW BIOROLL	800	LF				
102	2573.550	EROSION CONTROL SUPERVISOR	1	LS		1		
103	2573.601	STORM CHAMBER DETENTION SYSTEM WEST 13,500 CF	1	LS				
104	2573.601	STORM CHAMBER DETENTION SYSTEM EAST 16,700 CF	1	LS		1		
105	2573.602	WATER QUALITY UNIT	1	EACH				
106	2573.604	ROCK CONSTRUCTION ENTRANCE	1200	SY		1		
107	2575.501/00010	SEEDING	1.9	ACRE				
108	2575.502	SEED MIXTURE 250	237	LBS		0.2		
109	2575.505/00030	SODDING TYPE LAWN	4709	SY		25		
110	2575.523	EROSION CONTROL BLANKET CATEGORY 2	7995	SY		1915		
111	2575.532	FERTILIZER TYPE 1 10-10-10	760	LBS		80		
112	2575.560	HYDRAULIC SOIL STABILIZER, TYPE B	3360	LBS		420		
113	2575.572	RAPID STABILIZATION METHOD 4	8294	SY		1080		
114	2575.604/00003	GEOTEXTILE FABRIC	25647	SY				
115	2582.501/01001	PAVEMENT MESSAGE (LEFT ARROW) PAINT	6	EACH				
116	2582.501/01002	PAVEMENT MESSAGE (RIGHT ARROW) PAINT	3	EACH				
117	2582.501/01007	PAVEMENT MESSAGE (RIGHT-THRU ARROW) PAINT	2	EACH				
118	2582.501/01010	PAVEMENT MESSAGE (HANDICAPPED SYMBOL) PAINT		EACH				
119	2582.502/11104	4" SOLID LINE WHITE-PAINT	3000	LF		16		
120	2582.502/11304	4" DOTTED LINE WHITE-PAINT	1125	LF		18600		
121	2582.502/11524	24" STOP LINE WHITE-PAINT	105	LF				
122	2582.502/12104	4" SOLID LINE YELLOW-PAINT	2200	LF				
123	2582.503/00110	CROSSWALK MARKING-PAINT	75	SF		940		
124	SP 40.3	ALLOWANCE FOR MN POWER UTILITY RELOCATION	1	AL				
125	SP 41.3	ALLOWANCE FOR QWEST UTILITY RELOCATION	1	AL				
126	SP 42.3	CONCRETE TRAFFIC BARRIER (MARKSTAAR MODEL B-96) OR APPROVED EQUAL	15	EACH		41		
127	SP 43.3	TRAFFIC CONTROL ALLOWANCE	1	AL				
128	SP 44.3	PRIVATE UTILITY LOCATING SERVICE	1	LS				
129	SP 45.3	ENTRANCE AND EXIT GATES W/ DETECTOR LDOPS W/ FOUNDATION		EACH		7		
130	SP 46.3	RELOCATE EXIT GATES W/ DETECTOR LDOPS W/ NEW FOUNDATION		EACH		2		
131	SP 47.3	PROVIDE AND INSTALL AUTOMATIC PAY STATION W/ FOUNDATION		EACH		1		
132	SP 48.3	PROVIDE AND INSTALL TICKET DISPENSORS W/ FOUNDATION		EACH		6		
133	SP 49.3	RELOCATE TICKET DISPENSORS W/ NEW FOUNDATION		EACH		2		
134	SP 50.3	RELOCATE AUTOMATIC PAY STATION W/ NEW FOUNDATION		EACH		1		
137	SP 53.3	LIGHTING REMOVAL		EACH		12		
138	SP 54.3	ALLOWANCE FOR WAY FINDING SIGNS		AL		1		
139	SP 55.3	LANDSCAPING ALLOWANCE		AL		1		
			TOTAL BID DIVISION #1 SCHEDULE A			TOTAL BID DIVISION #1 SCHEDULE B		

REVISED BID DIVISION #2 - SITE ELECTRICAL

BID ITEM	SPEC. NUMBER	ITEM DESCRIPTION	UNIT	SCHEDULE A - ACCESS ROAD ELECTRICAL			SCHEDULE B - PARKING LOT ELECTRICAL		
				ESTIMATED QUANTITY	UNIT COST	TOTAL COST	ESTIMATED QUANTITY	UNIT COST	TOTAL COST
1	P-100	MOBILIZATION	LS	1			1		
2	P-102	SAFETY AND SECURITY	LS	1			1		
3	P-104	PROJECT SURVEY AND STAKEOUT	LS	1			1		
4	P-105	TEMPORARY CONSTRUCTION ITEMS	LS	1			1		
5	P-156.501	EROSION CONTROL	LS	1			1		
80	2545.523/00027	1" NON-METALLIC CONDUIT (PVC)	LF		6560				
81	2545.523/00053	2" NON-METALLIC CONDUIT (PVC)	LF		5120		4210		
82	2545.523/00103	4" NON-METALLIC CONDUIT (PVC)	LF		395				
83	2550.512/00010	QUAZITE CAT. NO. PG24368B36 ELECTRICAL HANDHOLE w/PG2436SHADO LID OR APPROVED EQUAL	EACH		4				
84	2550.531/11219	TELEPHONE CABLE 10 PR NO 19	LF		1325				
85	2550.531/112519	TELEPHONE CABLE 25 PR NO 19	LF		960				
86	2550.532/11040	POWER CABLE 1 CONDUCTOR NO 4 (EQUIPMENT GROUND)	LF		7995		4490		
87	2550.532/11060	POWER CABLE 1 CONDUCTOR NO 6	LF		8190		3845		
88	2550.532/11080	POWER CABLE 1 CONDUCTOR NO 8	LF		9675		5140		
135	SP 51.3	LIGHTING UNIT, TYPE A W/ FOUNDATION	EACH		9		20		
136	SP 52.3	LIGHTING UNIT, TYPE B W/ FOUNDATION	EACH		26		4		
TOTAL BID DIVISION #2 SCHEDULE A							TOTAL BID DIVISION #2 SCHEDULE B		