



November 1, 2021

Marisela Ward, P.E.
MODOT Transportation Planner
600 NE Colbern Rd.
Lee's Summit, MO 64086

Re: Addendum No.1
Federal Project: STP-3379(437) US-40 Highway Complete Streets

Dear Marisela:

An addendum has been issued for the revisions of bid item quantities for the above referenced project. Quantities have been revised for the following bid items:

1. Type I Concrete Curb & Gutter (6"). (Original quantity = 5,562 LF; New quantity = 6,383 LF).
2. Type III Concrete Curb (6"). (Original quantity = 299 LF; New quantity = 719 LF)
3. 4" Solid White Line". (Original quantity = 629 LF; New quantity = 6,414 LF).
4. 4" Dotted White Line. (Original quantity = 6,414 LF; New quantity = 629 LF).

These changes are reflected in the attached addendum documents, associated with the federally funded project known as STP-3379(437) US-40 Highway Complete Streets.

If you need any additional information, please let me know.

Sincerely,

Terry Thomas, P.E.
Project Manager
City of Independence, Missouri

BID FORM

**US-40 Highway Complete Streets
(Blue Ridge Cutoff to Sterling Avenue)
City Project No. 70111802
Federal Project No. STP-3379(437)**

No.	Item	Unit	Quantity	Unit Bid Price	Amount Not To Exceed
1	Mobilization	Lump Sum	1		
2	Demolition & Site Preparation	Lump Sum	1		
3	Untreated Compacted Aggregate (Temporary Drive)(EST)	TONS	450		
4	Embankment	Cubic Yard	3,851		
5	Coldmilling (2")	Square Yard	2,068		
6	Asphalt Surface (2" MoDOT Bituminous Pavement PG 64-22)	Square Yard	3,086		
7	Concrete Base (8")	Square Yard	1,018		
8	Aggregate Base (4" MoDOT Type 5)	Square Yard	1,018		
9	Type 1 Concrete Curb & Gutter (6")	Lin. Ft.	6,383		
10	Type III Concrete Curb (6")	Lin. Ft.	719		
11	Asphalt Driveway (6")	Tons	336		
12	Concrete Commercial Driveway (8")	Square Yard	3,592		
13	MSE Retaining Wall	Square Foot	300		
14	Reconstruct Inlet Lid	Each	2		
15	Connection to Existing Structure	Each	4		
16	4'x4' Area Inlet	Each	1		
17	6.5'x4' Area Inlet	Each	1		
18	6'x6' Area Inlet	Each	2		
19	4'x2' Grate Inlet (MoDOT Type A)	Each	2		
20	Curved Vane Grate and Bearing Plate	Each	4		
21	4'x4.5' Type A Curb Inlet	Each	1		
22	5'x3' Type A Curb Inlet	Each	2		
23	5'x4' Type A Extended Throat Curb Inlet	Each	1		
24	5'x4.5' Type A Curb Inlet	Each	3		
25	5'x5' Type A Extended Throat Curb Inlet	Each	1		
26	6'x3' Type A Curb Inlet	Each	2		

27	6'x3.5' Type A Curb Inlet	Each	4		
28	6'x4' Type A Curb Inlet	Each	1		
29	6'x4.5' Type A Curb Inlet	Each	7		
30	8'x4.5' Type A Curb Inlet	Each	1		
31	9'x4.5' Type A Curb Inlet	Each	1		
32	7'x7' Type B Curb Inlet	Each	1		
33	5'x5' Junction Box	Each	2		
34	6'x5' Junction Box	Each	1		
35	24" Storm Sewer Pipe (Group A)	Lin. Ft.	501		
36	30" Storm Sewer Pipe (Group A)	Lin. Ft.	8		
37	36" Storm Sewer Pipe (Group A)	Lin. Ft.	56		
38	15" Storm Sewer Pipe (Group B)	Lin. Ft.	172		
39	18" Storm Sewer Pipe (Group B)	Lin. Ft.	951		
40	24" Storm Sewer Pipe (Group B)	Lin. Ft.	1,248		
41	30" Storm Sewer Pipe (Group B)	Lin. Ft.	514		
42	36" Storm Sewer Pipe (Group B)	Lin. Ft.	63		
43	48" Storm Sewer Pipe (Group B)	Lin. Ft.	25		
44	24" Concrete Flared End Section	Each	5		
45	48" Concrete Flared End Section	Each	2		
46	Pipe Collar	Each	2		
47	3'x2' RCB Extension	Lin. Ft.	9		
48	4'x2.5' RCB Extension	Lin. Ft.	10		
49	Culvert Cleanout	Each	10		
50	Type 3 Rock Ditch Liner (MoDOT)	SY	160		
51	Concrete Lined Ditch	SY	23		
52	Construction Signs	Square Foot	307		
53	Advanced Warning Rail System	Each	2		
54	Barricades	Each	4		
55	Channelizers	Each	200		
56	Flashing Arrow Panel	Each	2		
57	Changeable Message Sign	Each	2		
58	Silt Fence	Lin. Ft.	881		
59	Inlet Checks	Each	36		
60	Alternate Ditch Checks	Each	20		
61	Sediment Removal	Each	65		
62	Sodding	Square Yard	9,790		
63	Seeding and Mulching	Acre	1		
64	Street Trees	Each	22		
65	Adjust Water Meters and Valves	Each	27		

66	Adjsut Fire Hydrant	Each	3		
67	Adjust Sanitary Sewer Manhole and Lid	Each	4		
68	New Sign and Post	Each	3		
69	Relocated Sign and Post	Each	32		
70	24" White Stop Bar	Lin. Ft.,	181		
71	30"x6' Solid White Crosswalk Lines	Each	11		
72	4" Solid White line	Lin. Ft.,	6,414		
73	4" Dotted White Line	Lin. Ft.,	629		
74	Bicycle Symbol	Each	17		
75	Pedestrian Signal Post, 8' (Type C)	Each	2		
76	Pedestrian Pole Foundation	Each	2		
77	Pedestrian Countdown Signal Head	Each	2		
78	Accessible Pedestrian Push Button Assmebly	Each	2		
79	Signs (Pedestrian Crossing)	Each	2		
80	Conduit (3", Pushed)	Lin. Ft.	100		
81	Conduit (2", Trenched)	Lin. Ft.	10		
82	Cable (2c#d16)	Lin. Ft.	470		
83	Cable (5c#16)	Lin. Ft.	470		
84	Lighting Conduit (3" Rigid, Pushed)	Lin. Ft.	861		
85	Lighting Conduit (2" Rigid, Trenched)	Lin. Ft.	6,346		
86	4" Concrete Sidewalk (5ft. and 6ft.)	Square Foot	29,880		
87	6" Concrete Sidewalk Ramp w/ Brick Truncated Domes	Square Foot	1,987		
88	4" Stamped Concrete	Square Foot	564		
89	Sidewalk Aggregate Base (4" Type 5 MoDOT)	Square Yard	3,573		
TOTAL BASE BID				\$	

TOTAL BID (Items 1-85) (in words and figures):

_____ \$ _____

MOBILIZATION			
	TOTAL	1 LUMP SUM	

DEMOILITION AND SITE PREPARATION			
	TOTAL	1 LUMP SUM	

EARTHWORK							
SHEET	STATION	STATION	LOCATION	UNCLASSIFIED EXCAVATION (CY) *	COMPACTED EMBANKMENT (CY) *	EMBANKMENT IN PLACE (CY) *	REMARKS
13	149+00.04	154+00.00	40 HWY	69	95	32	
14	154+00.00	159+00.00	40 HWY	170	83		
15	159+00.00	164+00.00	40 HWY	125	513	251	
16	164+00.00	169+00.00	40 HWY	240	150		
17	169+00.00	174+00.00	40 HWY	109	112	13	
18	174+00.00	179+00.00	40 HWY	192	103		
19	179+00.00	184+00.00	40 HWY	108	37		
20	184+00.00	189+00.00	40 HWY	125	80		
21	189+00.00	194+00.00	40 HWY	79	259	187	
22	194+00.00	199+00.00	40 HWY	75	387	249	
23	199+00.00	204+00.00	40 HWY	85	851	703	
24	204+00.00	209+00.00	40 HWY	146	187	55	
25	209+00.00	214+00.00	40 HWY	132	180	60	
26	214+00.00	219+00.00	40 HWY	119	514	335	
27	219+00.00	224+00.00	40 HWY	186	120		
28	224+00.00	229+21.61	40 HWY	110	95		
			SUBTOTALS	2,070.0	3,766.0	1,885.0	
			EMBANKMENT TOTAL		3,851.0		

* Earthwork quantities are shown for information only. All earthwork will be paid for as Embankment.

CULVERT CLEANOUT				
SHEET	STATION	LOCATION	CULVERT CLEANOUT (EA)	REMARKS
19	155+41.50	40 HWY	1	24" cmp
20	163+17.06	40 HWY	1	4x2.5' RCB
21	167+62.00	40 HWY	1	5x3' RCB
24	182+87.85	40 HWY	1	30" RCP
27	194+42.06	40 HWY	1	4x2.5' RCB
29	208+83.61	40 HWY	1	15" CMP
31	216+42.66	40 HWY	1	6.5x4' RCB
32	221+78.26	40 HWY	1	3x2' RCB
33	224+36.50	40 HWY	1	15" CMP
33	224+36.50	40 HWY	1	24" RCP
		TOTAL	10	

REMOVAL OF IMPROVEMENTS							
SHEET	STATION	STATION	LOCATION	DESCRIPTION	UNIT	QUANTITY	REMARKS
18	149+63.97		40 HWY	Ped. Signal Equipment	LF	1	
18	149+74.00		40 HWY	Concrete Curb	LF	13	
18	150+35.00	150+76.00	40 HWY	Concrete Curb	LF	102	
18	150+55.60		40 HWY	Ped. Signal Equipment	LF	1	
18	151+16.00	151+40.00	40 HWY	Concrete Curb	LF	77.5	
18	152+05.49		40 HWY	Concrete Curb	LF	28.4	
18	149+00.00	154+00.00	40 HWY	Asphalt Drive	SY	412	
19	154+66.63		40 HWY	Asphalt Drive	SY	48.2	Includes 6" Asphalt Curb
19	155+38.94		40 HWY	Grate Inlet	Each	1	
19	155+38.94	156+00.113	40 HWY	15" RCP	LF	60	
19	156+00.13		40 HWY	Grate Inlet	Each	1	
19	156+00.13	156+90.66	40 HWY	15" RCP	LF	89	
19	156+90.66		40 HWY	Grate Inlet	Each	1	
19	156+90.66	158+19.76	40 HWY	15" RCP	LF	126	
19	158+19.76		40 HWY	Grate Inlet	Each	1	
19	158+19.76	158+84.02	40 HWY	15" RCP	LF	60.6	
19	156+08.00	158+96.00	40 HWY	Concrete Curb	LF	288	
19	158+84.02		40 HWY	Grate Inlet	Each	1	
19	158+84.02	159+48.12	40 HWY	18" RCP	LF	60.2	
19	154+00.00	159+00.00	40 HWY	Asphalt Drive	SY	1127.3	
20	159+12.57		40 HWY	Asphalt Drive	SY	124.2	
20	159+48.12		40 HWY	Grate Inlet	Each	1	
20	159+48.12	160+04.00	40 HWY	18" RCP	LF	53.4	
20	159+72.75		40 HWY	Asphalt Drive	SY	62	Includes 6" Concrete Curb
20	160+81.61		40 HWY	Asphalt Drive	SY	59	
20	162+73.58		40 HWY	4x2.5' RCB Headwall	Each	1	Includes 6" Asphalt Curb
20	163+06.59		40 HWY	4x2.5' RCB Headwall	Each	1	
20	163+15.43		40 HWY	4x2.5' RCB Headwall	Each	1	
20	163+48.00		40 HWY	Asphalt Drive	SY	222.5	
21	164+55.24		40 HWY	Asphalt Drive	SY	87	
21	165+38.00	166+38.00	40 HWY	Concrete Curb	LF	100	
21	166+66.08		40 HWY	Concrete Drive	SY	39	
21	167+61.93		40 HWY	5x3' RCB Headwall	Each	1	
21	167+84.60		40 HWY	Post	Each	1	
21	168+13.75		40 HWY	Concrete Drive	SY	208	
21	168+43.43		40 HWY	Post	Each	1	
21	167+67.10		40 HWY	24" RCP	LF	82	
21	168+99.48		40 HWY	Post	Each	1	
22	169+18.00		40 HWY	Concrete Drive	SY	204.4	
22	170+38.00		40 HWY	Grate Inlet	Each	1.0	
22	170+38.00	171+65.00	40 HWY	24" RCP	LF	125.0	
22	171+54.00	172+17.00	40 HWY	Concrete Curb	LF	100.5	
22	172+66.71		40 HWY	Concrete Curb	LF	49.9	
22	173+16.20		40 HWY	Concrete Curb	LF	120.4	
22	172+68.44		40 HWY	Concrete Pipe 15"	LF	99.8	
22	169+00.00	174+00.00	40 HWY	Asphalt Drive	SY	370.7	
22	169+00.00	174+00.00	40 HWY	Concrete Drive	SY	204.4	
23	174+91.44		40 HWY	Concrete Pipe 12"	LF	51.6	
23	174+00.00	179+00.00	40 HWY	Asphalt Drive	SY	97.5	
23	175+25.00		40 HWY	18" CMP	LF	75.0	
24	179+00.00	179+65.00	40 HWY	Asphalt Drive	SY	176.0	
24	182+87.85		40 HWY	Grate Inlet	Each	1.0	
24	179+00.00	184+00.00	40 HWY	Asphalt Drive	SY	119.0	
24	180+00.00	182+70.00	40 HWY	Concrete Blocks	Each	10.0	
24	180+00.00	182+70.00	40 HWY	Parking Blocks	Each	20.0	
25	184+00.00	189+00.00	40 HWY	Asphalt Drive	SY	131.0	
26	190+79.84		40 HWY	Concrete Drive	SY	68.0	
27	194+42.06		40 HWY	4x2.5' RCB Headwall	Each	1.0	
28	201+38.48		40 HWY	Concrete Drive	SY	36.0	
29	204+86.07		40 HWY	Concrete Drive	SY	93.0	
29	205+13.40		40 HWY	15" CMP FES	Each	1.0	
29	205+08.50	206+49.90	40 HWY	Concrete Ditch	SY	113.0	
29	206+42.00		40 HWY	15" CMP FES	Each	1.0	
29	206+82.85		40 HWY	Concrete Drive	SY	140.0	
29	207+20.00		40 HWY	15" CMP FES	Each	1.0	
29	207+14.50	208+85.00	40 HWY	Concrete Ditch	SY	122.6	
29	208+84.00		40 HWY	15" CMP FES	Each	1.0	
26	213+94.42		40 HWY	Plastic Pipe 12"	LF	31.8	
26	209+00.00	214+00.00	40 HWY	Concrete Drive	SY	327.7	
27	214+64.61		40 HWY	Concrete Pipe 15"	LF	73.6	
27	217+89.76		40 HWY	Concrete Curb	LF	85.1	
27	218+54.84		40 HWY	Concrete Curb	LF	140.9	
27	218+62.62		40 HWY	CMP 12"	LF	70.5	
27	214+00.00	219+00.00	40 HWY	Concrete Drive	SY	277.0	
27	214+00.00	219+00.00	40 HWY	Asphalt Drive	SY	190.0	
31	219+81.64		40 HWY	Concrete Pipe 15"	LF	195.5	
31	221+78.72		40 HWY	Concrete Pipe 24"	LF	63.8	
31	222+60.74		40 HWY	Grate Inlet	Each	1.0	
31	222+42.49		40 HWY	Curb Inlet	Each	1.0	
31	219+00.00	224+00.00	40 HWY	Concrete Drive	SY	377.8	
32	224+59.35		40 HWY	Concrete Curb	LF	173.5	
32	226+66.37		40 HWY	Concrete Curb	LF	120.9	
32	228+51.41		40 HWY	Concrete Curb	LF	175.8	
33	224+00.00	229+00.00	40 HWY	Asphalt Drive	SY	109.0	
					TOTAL	1-Lump Sum	

SUMMARY OF QUANTITIES			
No.	Item Description	Units	Quantity
ROADWAY			
1	Mobilization	LS	1
2	Demolition and Site Preparation	LS	1
3	Untreated Compacted Aggregate (Temporary Drive)(ES)	TONS	450
4	Embankment	CY	3,851
5	Coldmilling (2")	SY	2,068
6	Asphalt Surface (2" Bituminous Pavement PG 64-22 (BF	SY	3,086
7	Concrete Base (8")	SY	1,018
8	Aggregate Base (4" MoDOT Type 5)	SY	1,018
9	Type I Concrete Curb & Gutter (6")	LF	6,383
10	Type III Concrete Curb (6")	LF	719
11	Asphalt Driveway (6")	TONS	336
12	Concrete Commercial Driveway (8")	SY	3,392
13	MSE Retaining Wall	SF	300
14	Reconstruct Inlet Lid	EA	2
15	Connection to Existing Structure	EA	4
16	4'x4' Area Inlet	EA	1
17	6.5'X4' Area Inlet	EA	1
18	6'x6' Area Inlet	EA	2
19	4'x2' Grate Inlet (MoDOT Type A)	EA	2
20	Curved Vane Grate and Bearing Plate	EA	4
21	4'x4.5' Type A Curb Inlet	EA	1
22	5'x3' Type A Curb Inlet	EA	2
23	5'x4' Type A Extended Throat Curb Inlet	EA	1
24	5'x4.5' Type A Curb Inlet	EA	3
25	5'x5' Type A Extended Throat Curb Inlet	EA	1
26	6'x3' Type A Curb Inlet	EA	2
27	6'x3.5' Type A Curb Inlet	EA	4
28	6'x4' Type A Curb Inlet	EA	1
29	6'x4.5' Type A Curb Inlet	EA	7
30	8'x4.5' Type A Curb Inlet	EA	1
31	9'x4.5' Type A Curb Inlet	EA	1
32	7'x7' Type B Curb Inlet	EA	1
33	5'x5' Junction Box	EA	2
34	6'x3' Junction Box	EA	1
35	24" Storm Sewer Pipe (Group A)	LF	501
36	30" Storm Sewer Pipe (Group A)	LF	8
37	36" Storm Sewer Pipe (Group A)	LF	56
38	15" Storm Sewer Pipe (Group B)	LF	172
39	18" Storm Sewer Pipe (Group B)	LF	951
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41	30" Storm Sewer Pipe (Group B)	LF	514
42	36" Storm Sewer Pipe (Group B)	LF	63
43	48" Storm Sewer Pipe (Group B)	LF	25
44	24" Concrete Flared End Section	EA	5
45	48" Concrete Flared End Section	EA	2
46	Pipe Collar	EA	2
47	3'x2' RCB Extension	LF	9
48	4'x2.5' RCB Extension	LF	10
49	Culvert Cleanout	EA	10
50	Type 3 Rock Ditch Liner (MoDOT)	SY	160
51	Concrete Lined Ditch	SY	23
52	Construction Signs	SF	307
53	Advanced Warning Rail System	EA	2
54	Barriercades (Type III)	EA	4
55	Channelizers	EA	200
56	Flashing Arrow Panel	EA	2
57	Changeable Message Sign	EA	2
58	Silt Fence	LF	881
59	Inlet Checks	EA	36
60	Alternate Ditch Checks	EA	20
61	Sediment Removal	EA	65
62	Sodding	SY	9,790
63	Seeding and Mulching	AC	1
64	Street Trees	EA	22
65	Adjust Water Meters and Valves	EA	27
66	Adjust Fire Hydrant	EA	3
67	Adjust Sanitary Sewer Manhole Lid	EA	4
	Roadway Subtotal		
SIGNING, PAVEMENT MARKING, SIGNAL, LIGHTING			
68	New Sign and Post	EA	3
69	Relocated Sign and Post	EA	32
70	24" White Stop Bar	LF	181
71	30"x6" Solid White Crosswalk Lines	EA	11
72	4" Solid White Line	LF	6,414
73	4" Dotted White Line	LF	629
74	Bicycle Symbol	EA	17
75	Pedestrian Signal Post, 8" (Type C)	EA	2
76	Pedestrian Pole Foundation	EA	2
77	Pedestrian Countdown Signal Head	EA	2
78	Accessible Pedestrian Push Button Assembly	EA	2
79	Signs (Pedestrian Crossing)	EA	2
80	Conduit (3", Pushed)	LF	100
81	Conduit (2", Trenched)	LF	10
82	Cable (2c#16)	LF	470
83	Cable (5c#16)	LF	470
84	Lighting Conduit (3" Rigid, Pushed)	LF	861
85	Lighting Conduit (2" Rigid, Trenched)	LF	6,346
	Signing, Pavement Marking, Signal Subtotal		
PEDESTRIAN FACILITIES			
86	4" Concrete Sidewalk (5 ft. and 6ft.)	SF	29,880
87	6" Concrete Sidewalk Ramp w/ Brick Truncated Domes	SF	1,987
88	4" Stamped Concrete	SF	564
89	Sidewalk Aggregate Base (4" Type 5 MoDOT)	SY	3,573
	Pedestrian Facilities Subtotal		

US-40 HIGHWAY COMPLETE STREETS
(BLUE RIDGE CUTOFF TO STERLING AVENUE)
INDEPENDENCE, JACKSON COUNTY, MISSOURI
FEDERAL NO. STP-3379(437)
QUANTITY SHEETS

8900 Indian Creek Parkway, Suite 450
 Overland Park, Kansas 66210
 Phone: 913-239-1100
 Toll Free: 877-527-5468
 Fax: 913-239-1111
 www.affinis.us



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Issued:
 2/22/2019 PREL PLANS TO CITY MLD LCR KELG
 6/7/2019 REVISED PREL/RW TO CITY MLD LCR KELG
 6/2/2020 FINAL PLANS TO CITY MLD LCR KELG
 7/9/2020 FINAL PLANS TO MODOT MLD LCR KELG
 10/8/2020 REV. FINAL PLANS-MODOT MLD LCR KELG
 7/7/2021 REVISED PS&E TOL LCR KELG

Drawn: Checked: Approved:
 2/22/2019 PREL PLANS TO CITY MLD LCR KELG
 6/7/2019 REVISED PREL/RW TO CITY MLD LCR KELG
 6/2/2020 FINAL PLANS TO CITY MLD LCR KELG
 7/9/2020 FINAL PLANS TO MODOT MLD LCR KELG
 10/8/2020 REV. FINAL PLANS-MODOT MLD LCR KELG
 7/7/2021 REVISED PS&E TOL LCR KELG

TITLENAME: ... \18-0150-01_Quantity_01 – Addendum.dgn
 Job 18-0150-01
 Drawn: _____

