

SOUTH McKNIGHT ROAD IMPROVEMENTS – ADDENDUM #1
City of Ladue, MO
Federal Project STP-5529(609)
July 3, 2014

This addendum is hereby made part of the contract documents of the above referenced project. This addendum supplements and/or amends the originally issued documents and all related addenda.

Attachments:

- Pre-Bid Meeting sign-in sheet
- Revised Bid Form
 - o The quantity for Line No. 75 (Cable, Loop Detector, In Duct) was modified to 1170 LF.
 - o Line No. 76 (Cable, Loop Detector, Lead-in) is no longer needed and has been removed.
- Plan Sheet 2A and 2B (6 of 6) revised to reflect the updated quantities.

ACKNOWLEDGEMENT OF ADDENDUM #1

The bidder will acknowledge receipt of this Addendum and acceptance of its conditions by signing this Addendum and including it with the bid.

SIGNATURE: _____

TITLE: _____

COMPANY: _____

DATE: _____

McKnight Road Pre-Bid Meeting

<u>Name</u>	<u>Firm</u>	<u>E-mail</u>	<u>Phone</u>
Anne Lamitola	City of Ladue	alamitola@cityofladue-mo.gov	314-993-5665
Ramin Ashrafzadeh	Horner & Shiffrin	raashrafzadeh@horner-shiffrin.com	314-335-8677
Charles Hayes	Millstone Weber	cehayes@fredweber-ne.com	314-575-6772
Charlie Tallman	"	charliet@m3ke.com	636-949-0038 ^{#117}
Shane Harris	PSI, Inc.	Shane.harris@psi-usa.com	314-703-2138
Scott Harris	Gershenson	sharris@gershenson.com	631-549-0210
Wendie Scheidle	J.M. Scheidle LLC	Wende@jmscheidle.com	314-605-2648
Rick WAGNER	RV WAGNER INC	RWAGNER@RVWAGNER.com	314-892-1600

ITEMIZED BID FORM

South McKnight Road Improvements

LINE NO.	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
		ROADWAY ITEMS:				
1	2013000	CLEARING AND GRUBBING	AC	1.1		
2	2022010	REMOVAL OF IMPROVEMENTS	LS	1		
3	2031000	CLASS A EXCAVATION	CY	1694		
4	2036000	COMPACTING EMBANKMENT	CY	1519		
5	2063500	CULVERT CLEANOUT	EACH	1		
6	3040504	TYPE 5 AGGREGATE BASE (4 IN. THICK)	SY	6980		
7	4011209	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	TON	1937.5		
8	4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TON	1049.8		
9	4019906	PAVEMENT PATCH	SY	2000		
10	4071005	TACK COAT	GAL	790		
11	4081010	PRIME-LIQUID ASPHALT RC 70 OR MC 30	GAL	1040		
12	5021106	CONCRETE PAVEMENT (6 IN. NON-REINFORCED)	SY	143.3		
13	5029906	CONCRETE BASE WIDENING	SY	976.5		
14	5041000	CONCRETE APPROACH PAVEMENT	SY	227.9		
15	6039902	ADJUST TO GRADE WATER VALVE	EACH	11		
16	6039932	ADJUST TO GRADE GAS VALVE	EACH	5		
17	6042010	ADJUSTING MANHOLE	EACH	6		
18	6042020	ADJUSTING INLET	EACH	2		
19	6069903	TYPE A GUARDRAIL, POWDERED COATED	LF	200		
20	6069906	BRIDGE ANCHOR SECTION, 6.5 FT. POSTS (SAFETY BARRIER CURB) (ROADWAY AND REHABILITATION WORK ONLY), POWDERED COATED	EACH	8		
21	6069907	TRANSITION SECTION, 6.5 FT. POSTS, POWDERED COATED	EACH	8		
22	6069908	TYPE A CRASHWORTHY END TERMINAL, POWDERED COATED	EACH	7		
23	6079902	REMOVAL AND RELOCATION OF MAILBOX	EACH	11		
24	6079903	THERMOPLASTIC PEDESTRIAN RAILING (42")	LF	390		
25	6091010	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	LF	6403		
26	6092011	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A	LF	108		
27	6099903	ASPHALT GUTTER	LF	679		
28	6113010	FURNISHING TYPE 2 ROCK BLANKET	CY	307		
29	6113040	PLACING TYPE 2 ROCK BLANKET	CY	307		
30	6131014	FULL DEPTH PAVEMENT REPAIR SAWCUT	LF	8624		
31	6161031	TYPE III MOVABLE BARRICADE WITH LIGHT	EACH	4		
32	6169901	CHANNELIZING DEVICE	LS	1		
33	6169906	CONSTRUCTION SIGNS	LS	1		
34	6181000	MOBILIZATION	LS	1		
35	6221001	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OR SURFACING (3 IN. THICK OR LESS)	SY	11401		
36	6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1		

Addendum 1
July 3, 2014

LINE NO.	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
37	7209904	MODULAR BLOCK RETAINING WALL	SF	2576		
38	7209906	MODULAR BLOCK RETAINING WALL (SPECIAL)	SF	1162		
39	7269901	12" CLASS III REINFORCED CONCRETE PIPE	LF	980		
40	7269902	18" CLASS III REINFORCED CONCRETE PIPE	LF	831		
41	7269903	21" CLASS III REINFORCED CONCRETE PIPE	LF	347		
42	7269904	24" CLASS III REINFORCED CONCRETE PIPE	LF	60		
43	7269905	18" CORRUGATED METAL PIPE	LF	12		
44	7269906	24" CORRUGATED METAL PIPE	LF	24		
45	7269907	4" POLYVINYL CHLORIDE (PVC) PIPE	LF	133		
46	7269908	6" POLYVINYL CHLORIDE (PVC) PIPE	LF	81		
47	7269909	12" POLYVINYL CHLORIDE (PVC) PIPE	LF	16		
48	7269910	18" POLYVINYL CHLORIDE (PVC) PIPE	LF	36		
49	7269911	PRIVATE SANITARY LATERAL	LF	35		
50	7319901	SPECIAL MANHOLES 103/105	LS	1		
51	7319902	SANITARY SEWER OVERFLOW EQUIPMENT	LS	1		
52	7319903	MANHOLE	EACH	7		
53	7319904	SINGLE CURB INLET, UNTRAPPED	EACH	10		
54	7319905	DOUBLE CURB INLET, UNTRAPPED	EACH	4		
55	7319906	AREA INLET	EACH	2		
56	7319907	2-GRADE INLET W/ SIDE INTAKE	EACH	6		
57	7319908	HYDRODYNAMIC SEPARATOR (6 FT. DIA.)	EACH	1		
58	7319909	CONCRETE COLLAR	EACH	3		
59	7319910	CONVERT CURB INLET TO AREA INLET	EACH	2		
60	7319911	CONVERT CURB INLET TO MANHOLE	EACH	2		
61	7329902	12 IN. FLARED END SECTION, REINFORCED CONCRETE PIPE	EACH	1		
62	8061019	SILT FENCE	LF	5560		
63	8069903	FIBER ROLLS	LF	95		
		PAVEMENT MARKING:				
64	6206000B	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 4 IN., WHITE	LF	10140		
65	6206001B	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 4 IN., YELLOW	LF	9640		
66	6205130	TYPE 2 PREFORMED MARKING TAPE (GROOVED), LEFT/RIGHT ARROW	EACH	6		
67	6205132	TYPE 2 PREFORMED MARKING TAPE (GROOVED), COMBINATION STRAIGHT-LEFT/RIGHT ARROW	EACH	2		
68	6206106	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6 IN., WHITE	LF	150		
69	6206124	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., WHITE	LF	50		
		LANDSCAPING/STREETSCAPING:				
70	803100A	TURF TYPE TALL FESCUE SODDING	SY	3334		
71	8069902	IRRIGATION LINE REPLACEMENT	LF	850		
72	8069903	IRRIGATION HEAD REPLACEMENT	EACH	50		
73	8089901	CONSTRUCTION FENCE FOR TREE PROTECTION	LF	950		
74	8089902	THUJA 'GREEN GIANT' ARBORVITAE	EACH	19		

Addendum 1
July 3, 2014

LINE NO.	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	TOTAL
		TRAFFIC SIGNALS:				
75	9028500	CABLE, LOOP DETECTOR, IN DUCT	LF	1170		
76	0	NOT USED	0	0		
		PEDESTRIAN FACILITIES:				
77	6086004	CONCRETE SIDEWALK, 4 IN.	SY	1796.5		
78	6081010	CONCRETE CURB RAMP	SY	338.6		
79	6081012	TRUNCATED DOMES	SF	304		
		STRUCTURES:				
		MCKNIGHT NORTH BRIDGE (2315007):				
80	2061000	CLASS 1 EXCAVATION	CY	385		
81	2062000	CLASS 2 EXCAVATION	CY	310		
82	2064000	POROUS BACKFILL	CY	364		
83	2060500	REMOVAL OF BRIDGES	LS	1		
84	5031010	BRIDGE APPROACH SLAB (BRIDGE)	SY	190		
85	5059904	6" REINFORCED CONCRETE SIDEWALK	SF	313		
86	6079903	THERMOPLASTIC PEDESTRIAN RAILING (42")	LF	79		
87	7032003	CLASS B CONCRETE (SUBSTRUCTURE)	CY	247.3		
88	7034215	SAFETY BARRIER CURB	LF	60		
89	7039905	SLAB ON CONCRETE SLAB BEAM	SY	136		
90	7056041A	17" PRESTRESSED CONCRETE SPREAD VOIDED SLAB BEAM	LF	150		
91	7061060	REINFORCING STEEL (BRIDGES)	LB	39110		
92	7101000	REINFORCING STEEL (EPOXY COATED)	LB	770		
93	7071000	CONDUIT SYSTEM ON STRUCTURE	LS	1		
94	7161002	LAMINATED NEOPRENE BEARING PAD	EACH	5		
95	7161003	LAMINATED NEOPRENE BEARING PAD (TAPERED)	EACH	5		
		MCKNIGHT SOUTH BRIDGE (2315001):				
96	2061000	CLASS 1 EXCAVATION	CY	110		
97	2162500	REMOVAL OF BRIDGES	LS	1		
98	5031010	BRIDGE APPROACH SLAB (BRIDGE)	SY	191		
99	6079903	THERMOPLASTIC PEDESTRIAN RAILING (42")	LF	69		
100	7021010	STRUCTURAL STEEL PILES (10 IN.)	LF	185		
101	7027000	PILE POINT REINFORCEMENT	EACH	10		
102	7032003	CLASS B CONCRETE (SUBSTRUCTURE)	CY	34.7		
103	7034213	SLAB ON CONCRETE I-GIRDER	SY	236		
104	7034215	SAFETY BARRIER CURB	LF	140		
105	7056001	TYPE 3 (39 IN.) PRESTRESSED CONCRETE I-GIRDER	LF	252		
106	7071000	CONDUIT SYSTEM ON STRUCTURE	LS	1		
107	7151001	VERTICAL DRAIN AT END BENTS	EACH	2		
108	7161002	LAMINATED NEOPRENE BEARING PAD	EACH	5		
109	7161003	LAMINATED NEOPRENE BEARING PAD (TAPERED)	EACH	5		
	TOTAL:	WRITTEN:	NUMBERS:			

T45N R6E MSD BASE MAPS: 18K4.19K1.19K4				
LINE NO.	ITEM NUMBER	SUMMARY OF QUANTITIES ITEM DESCRIPTION	UNIT	QUANTITY
		ROADWAY ITEMS:		
1	2013000	CLEARING AND GRUBBING	AC	1.1
2	2022010	REMOVAL OF IMPROVEMENTS	LS	1
3	2031000	CLASS A EXCAVATION	CY	1694
4	2036000	COMPACTING EMBANKMENT	CY	1519
5	2063500	CULVERT CLEANOUT	EACH	1
6	3040504	TYPE 5 AGGREGATE BASE (4 IN. THICK)	SY	6980
7	4011209	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BP-1)	TON	1937.5
8	4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TON	1049.8
9	4019906	PAVEMENT PATCH	SY	2000
10	4071005	TACK COAT	GAL	790
11	4081010	PRIME-LIQUID ASPHALT RC 70 OR MC 30	GAL	1040
12	5021106	CONCRETE PAVEMENT (6 IN. NON-REINFORCED)	SY	143.3
13	5029906	CONCRETE BASE WIDENING	SY	976.5
14	5041000	CONCRETE APPROACH PAVEMENT	SY	227.9
15	6039902	ADJUST TO GRADE WATER VALVE	EACH	11
16	6039932	ADJUST TO GRADE GAS VALVE	EACH	5
17	6042010	ADJUSTING MANHOLE	EACH	6
18	6042020	ADJUSTING INLET	EACH	2
19	6069903	TYPE A GUARDRAIL, POWDERED COATED	LF	200
20	6069906	BRIDGE ANCHOR SECTION, 6.5 FT. POSTS (SAFETY BARRIER CURB) (ROADWAY AND REHABILITATION WORK ONLY), POWDERED COATED	EACH	8
21	6069907	TRANSITION SECTION, 6.5 FT. POSTS, POWDERED COATED	EACH	8
22	6069908	TYPE A CRASHWORTHY END TERMINAL, POWDERED COATED	EACH	7
23	6079902	REMOVAL AND RELOCATION OF MAILBOX	EACH	11
24	6079903	THERMOPLASTIC PEDESTRIAN RAILING (42")	LF	390
25	6091010	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	LF	6403
26	6092011	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A	LF	108
27	6099903	ASPHALT GUTTER	LF	679
28	6113010	FURNISHING TYPE 2 ROCK BLANKET	CY	307
29	6113040	PLACING TYPE 2 ROCK BLANKET	CY	307
30	6131014	FULL DEPTH PAVEMENT REPAIR SAWCUT	LF	8624
31	6161031	TYPE III MOVABLE BARRICADE WITH LIGHT	EACH	4
32	6169901	CHANNELIZING DEVICE	LS	1
33	6169906	CONSTRUCTION SIGNS	LS	1
34	6181000	MOBILIZATION	LS	1
35	6221001	COLDMILLING BITUMINOUS PAVEMENT FOR REMOVAL OR SURFACING (3 IN. THICK OR LESS)	SY	11401
36	6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	LS	1
37	7209904	MODULAR BLOCK RETAINING WALL	SF	2576
38	7209906	MODULAR BLOCK RETAINING WALL (SPECIAL)	SF	1162
39	7269901	12" CLASS III REINFORCED CONCRETE PIPE	LF	980
40	7269902	18" CLASS III REINFORCED CONCRETE PIPE	LF	831
41	7269903	21" CLASS III REINFORCED CONCRETE PIPE	LF	347
42	7269904	24" CLASS III REINFORCED CONCRETE PIPE	LF	60
43	7269905	18" CORRUGATED METAL PIPE	LF	12
44	7269906	24" CORRUGATED METAL PIPE	LF	24
45	7269907	4" POLYVINYL CHLORIDE (PVC) PIPE	LF	133
46	7269908	6" POLYVINYL CHLORIDE (PVC) PIPE	LF	81
47	7269909	12" POLYVINYL CHLORIDE (PVC) PIPE	LF	16
48	7269910	18" POLYVINYL CHLORIDE (PVC) PIPE	LF	36
49	7269911	PRIVATE SANITARY LATERAL	LF	35
50	7319901	SPECIAL MANHOLES 103/105	LS	1
51	7319902	SANITARY SEWER OVERFLOW EQUIPMENT	LS	1
52	7319903	MANHOLE	EACH	7
53	7319904	SINGLE CURB INLET, UNTRAPPED	EACH	10
54	7319905	DOUBLE CURB INLET, UNTRAPPED	EACH	4
55	7319906	AREA INLET	EACH	2
56	7319907	2-GRATE INLET W/ SIDE INTAKE	EACH	6
57	7319908	HYDRODYNAMIC SEPARATOR (6 FT. DIA.)	EACH	1
58	7319909	CONCRETE COLLAR	EACH	3
59	7319910	CONVERT CURB INLET TO AREA INLET	EACH	2
60	7319911	CONVERT CURB INLET TO MANHOLE	EACH	2
61	7329902	12 IN. FLARED END SECTION, REINFORCED CONCRETE PIPE	EACH	1
62	8061019	SILT FENCE	LF	5560
63	8069903	FIBER ROLLS	LF	95

T45N R6E MSD BASE MAPS: 18K4.19K1.19K4				
LINE NO.	ITEM NUMBER	SUMMARY OF QUANTITIES ITEM DESCRIPTION	UNIT	QUANTITY
		PAVEMENT MARKING:		
64	6206000B	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 4 IN., WHITE	LF	10140
65	6206001B	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 4 IN., YELLOW	LF	9640
66	6205130	TYPE 2 PREFORMED MARKING TAPE (GROOVED), LEFT/RIGHT ARROW	EACH	6
67	6205132	TYPE 2 PREFORMED MARKING TAPE (GROOVED), COMBINATION STRAIGHT-LEFT/RIGHT ARROW	EACH	2
68	6206106	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6 IN., WHITE	LF	150
69	6206124	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., WHITE	LF	50
		LANDSCAPING/STREETSCAPING:		
70	803100A	TURF TYPE TALL FESCUE SODDING	SY	3334
71	8069902	IRRIGATION LINE REPLACEMENT	LF	850
72	8069903	IRRIGATION HEAD REPLACEMENT	EACH	50
73	8089901	CONSTRUCTION FENCE FOR TREE PROTECTION	LF	950
74	8089902	THUJA 'GREEN GIANT' ARBORVITAE	EACH	19
		TRAFFIC SIGNALS:		
75	9028500	CABLE, LOOP DETECTOR, IN DUCT	LF	1170
		NOT USED		
		PEDESTRIAN FACILITIES:		
77	6086004	CONCRETE SIDEWALK, 4 IN.	SY	1796.5
78	6081010	CONCRETE CURB RAMP	SY	338.6
79	6081012	TRUNCATED DOMES	SF	304
		STRUCTURES:		
		MCKNIGHT NORTH BRIDGE (2315007):		
80	2061000	CLASS 1 EXCAVATION	CY	385
81	2062000	CLASS 2 EXCAVATION	CY	310
82	2064000	POROUS BACKFILL	CY	364
83	2060500	REMOVAL OF BRIDGES	LS	1
84	5031010	BRIDGE APPROACH SLAB (BRIDGE)	SY	190
85	5059904	6" REINFORCED CONCRETE SIDEWALK	SF	313
86	6079903	THERMOPLASTIC PEDESTRIAN RAILING (42")	LF	79
87	7032003	CLASS B CONCRETE (SUBSTRUCTURE)	CY	247.3
88	7034215	SAFETY BARRIER CURB	LF	60
89	7039905	SLAB ON CONCRETE SLAB BEAM	SY	136
90	7056041A	17" PRESTRESSED CONCRETE SPREAD VOIDED SLAB BEAM	LF	150
91	7061060	REINFORCING STEEL (BRIDGES)	LB	39110
92	7101000	REINFORCING STEEL (EPOXY COATED)	LB	770
93	7071000	CONDUIT SYSTEM ON STRUCTURE	LS	1
94	7161002	LAMINATED NEOPRENE BEARING PAD	EACH	5
95	7161003	LAMINATED NEOPRENE BEARING PAD (TAPERED)	EACH	5
		MCKNIGHT SOUTH BRIDGE (2315001):		
96	2061000	CLASS 1 EXCAVATION	CY	110
97	2162500	REMOVAL OF BRIDGES	LS	1
98	5031010	BRIDGE APPROACH SLAB (BRIDGE)	SY	191
99	6079903	THERMOPLASTIC PEDESTRIAN RAILING (42")	LF	69
100	7021010	STRUCTURAL STEEL PILES (10 IN.)	LF	185
101	7027000	PILE POINT REINFORCEMENT	EACH	10
102	7032003	CLASS B CONCRETE (SUBSTRUCTURE)	CY	34.7
103	7034213	SLAB ON CONCRETE I-GIRDER	SY	236.0
104	7034215	SAFETY BARRIER CURB	LF	140
105	7056001	TYPE 3 (39 IN.) PRESTRESSED CONCRETE I-GIRDER	LF	252
106	7071000	CONDIUT SYSTEM ON STRUCTURE	LS	1
107	7151001	VERTICAL DRAIN AT END BENTS	EACH	2
108	7161002	LAMINATED NEOPRENE BEARING PAD	EACH	5
109	7161003	LAMINATED NEOPRENE BEARING PAD (TAPERED)	EACH	5

STATE OF MISSOURI

RAMIN D. ASHRAFZADEH

Professional Engineer

7/3/14

DATE PREPARED

7/3/2014

ROUTE

STATE

MO

DISTRICT

SHEET NO.

SL2A

COUNTY

ST. LOUIS

JOB NO.

1100200

CONTRACT ID.

FEDERAL PROJECT NO.

STP-5529(609)

MSD P-NUMBER

0029740

DATE

7-3-14

DESCRIPTION

ADDENDUM 1

CITY OF LADUE

HORNER & SHIRIN, INC.

ENGINEERS

5200 DAKLAND AVE., ST. LOUIS, MO 63110

314-531-4321 FAX: 314-531-6866

www.HornerShirin.com

Discipline: Professional Engineering

Certificate of Authority: 000159

Expiration Date: December 31, 2014

SOUTH MCKNIGHT ROAD IMPROVEMENTS

SUMMARY OF QUANTITIES

SHEET 1 OF 1

1100200

...\\002_Quantities.dgn

12:34:44 PM

7/3/2014

REMOVAL AND RELOCATION OF MAILBOX					
PLAN SHEET	STATION	LOCATION	SIDE	MAILBOX	REMARKS
				(EACH)	
1	5+09.48	SOUTH MCKNIGHT ROAD	RT	1	
1	5+78.33	SOUTH MCKNIGHT ROAD	RT	1	
1	8+15.21	SOUTH MCKNIGHT ROAD	RT	1	
3	25+46.73	SOUTH MCKNIGHT ROAD	RT	1	
4	28+99.76	SOUTH MCKNIGHT ROAD	RT	1	
5	36+60.78	SOUTH MCKNIGHT ROAD	LT	1	
6	41+90.00	SOUTH MCKNIGHT ROAD	RT	1	
6	43+07.69	SOUTH MCKNIGHT ROAD	RT	1	
7	44+75.93	SOUTH MCKNIGHT ROAD	RT	1	
7	46+37.15	SOUTH MCKNIGHT ROAD	RT	1	
7	49+71.06	SOUTH MCKNIGHT ROAD	RT	1	
			TOTAL	11	
			USE	11	

PRIVATE SANITARY LATERAL						
PLAN SHEET	STATION	STATION	LOCATION	SIDE	PRIVATE SANITARY LATERAL	REMARKS
					(LF)	
2	12+14.00	12+46.00	SOUTH MCKNIGHT ROAD	RT	35	
				TOTAL	35	
				USE	35	

TYPE III MOVABLE BARRICADE WITH LIGHT		
LOCATION	TYPE III BARRICADE WITH LIGHT	REMARKS
	(EACH)	
SOUTH MCKNIGHT ROAD	4	
TOTAL	4	
USE	4	

ROCK BLANKET					
PLAN SHEET	SIDE	LOCATION	FURNISHING TYPE II ROCK BLANKET	PLACING TYPE II ROCK BLANKET	REMARKS
			(CY)	(CY)	
2	BOTH	SOUTH MCKNIGHT ROAD (SOUTH BRIDGE)	233.8	233.8	INCLUDES ROCK ANCHOR DITCH
6	BOTH	SOUTH MCKNIGHT ROAD (NORTH BRIDGE)	73.0	73.0	
			306.8	306.8	
			307	307	

IRRIGATION			
LOCATION	IRRIGATION LINE REPLACEMENT	IRRIGATION HEAD REPLACEMENT	REMARKS
	(LF)	EACH	
SOUTH MCKNIGHT ROAD	850.0	50.0	ESTIMATED QUANTITIES FOR PARCELS 1, 4, 10, AND 18
TOTAL	850.0	50.0	
USE	850	50	

MOBILIZATION
LUMP SUM = 1

CLEARING AND GRUBBING
AREA = 1.1 ACRES

CHANNELIZING DEVICE
LUMP SUM = 1

SANITARY SEWER OVERFLOW EQUIPMENT
LUMP SUM = 1

CONTRACTOR FURNISHED SURVEYING AND STAKING
LUMP SUM = 1

REMOVAL OF IMPROVEMENTS
LUMP SUM = 1

CONSTRUCTION SIGNS
LUMP SUM = 1

TURF TYPE TALL FESCUE SODDING						
PLAN SHEET	STATION	STATION	LOCATION	SIDE	AREA	REMARKS
					(SY)	
1	4+00.70	11+00.00	SOUTH MCKNIGHT ROAD	LT	211.2	
1	4+00.70	11+00.00	SOUTH MCKNIGHT ROAD	RT	138.7	
2	11+00.00	16+00.00	SOUTH MCKNIGHT ROAD	LT	226.7	
2	11+00.00	16+00.00	SOUTH MCKNIGHT ROAD	RT	388.6	
3	16+00.00	26+00.00	SOUTH MCKNIGHT ROAD	LT	259.5	
3	16+00.00	26+00.00	SOUTH MCKNIGHT ROAD	RT	539.6	
4	26+00.00	35+00.00	SOUTH MCKNIGHT ROAD	LT	125.0	
4	26+00.00	35+00.00	SOUTH MCKNIGHT ROAD	RT	190.1	
5	35+00.00	39+00.00	SOUTH MCKNIGHT ROAD	LT	22.6	
5	35+00.00	39+00.00	SOUTH MCKNIGHT ROAD	RT	77.2	
6	39+00.00	44+00.00	SOUTH MCKNIGHT ROAD	LT	245.8	
6	39+00.00	44+00.00	SOUTH MCKNIGHT ROAD	RT	424.0	
7	44+00.00	52+15.90	SOUTH MCKNIGHT ROAD	LT	92.8	
7	44+00.00	52+15.90	SOUTH MCKNIGHT ROAD	RT	391.5	
				TOTAL	3333.3	
				USE	3334	

THUJA 'GREEN GIANT' ARBORVITAE						
PLAN SHEET	STATION	STATION	LOCATION	SIDE	TREES	REMARKS
					(EACH)	
2	12+95.00	14+00.00	SOUTH MCKNIGHT ROAD	RT	19	
				TOTAL	19	
				USE	19	

TRAFFIC SIGNALS						
PLAN SHEET	STATION	STATION	LOCATION	CABLE LOOP DETECTOR		REMARKS
				IN DUCT	LEAD-IN	
				(LF)	(LF)	
1	4+00.70	11+00.00	SOUTH MCKNIGHT ROAD	585	0	CLAYTON/MCKNIGHT INTERSECTION
7	44+00.00	52+15.90	SOUTH MCKNIGHT ROAD	578	0	LADUE/MCKNIGHT INTERSECTION
		TOTAL		1163	0	
		USE		1170	0	

T45N R6E
MSD BASE MAPS: 18K4.19K1.19K4



DATE PREPARED 7/3/2014	
ROUTE	STATE MO
DISTRICT SL	SHEET NO. 2B
COUNTY ST. LOUIS	
JOB NO. 1100200	
CONTRACT ID.	
FEDERAL PROJECT NO. STP-5529(609)	
MSD P-NUMBER 0029740	

DATE	DESCRIPTION
7-3-14	ADDENDUM 1



SOUTH MCKNIGHT ROAD IMPROVEMENTS
SCHEDULE OF QUANTITIES
SHEET 6 OF 6