MANCHESTER ROAD PHASE 3 – ADDENDUM #1 City of Maplewood, MO Federal Project STP-5401(669) March 8, 2016

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:

- Revised Bid Form
 - Item number 9018245 (Pole Foundations (45 ft. or 13.5 m Mounting Height)) was added with a quantity of 1 Each.
 - o Item number 9029100 (Base, Concrete) was modified to 9.6 C.Y.
 - Item number 9019902 (99W LED Light Fixture with15 Foot Decorative Pole) was modified to (100W LED Light Fixture with 15 Foot Decorative Pole)
- Sheet 2A revised to reflect the updated quantities.
- Sheet C14.1 revised to reflect Pole Foundations (45ft. or 13.5 m Mounting Height).
- Sheet C14.2 revised to reflect changes in Base, Concrete schedule and quantities.
- Sheet E5.1 revised to show updated light fixture and pole catalog numbers.
- Revised Project Specification section V: <u>Exterior Lighting</u>, section 2.3.A.1 (page 70) from 3500K to 4000K to match updated light fixture catalog number.

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:	

<u>ITEMIZED BID:</u> The bidder should complete the following section in accordance with Sec 102.5. The bidder proposes to furnish all labor, materials, equipment, services, etc. required for the performance and completion of the work, as follows:

BID ITEMS Project: Manchester Road Phase 3 Improvements Federal Project No. STP - 5401(669)

TEM NUMBER DESCRIPTION	TI EM NOMBER	DESCRIPTION	UNIT		LIMIT DDICE	
2013000 CLEARING AND GRUBBING ACRE 0.5			0	QUANTITI	UNIT PRICE	TOTAL
2022010 REMOVAL OF IMPROVEMENTS L.S. 1 2031000 CLASS A EXCAVATION C.Y. 1819 2036000 COMPACTING EMPANIKMENT C.Y. 1177 2069907 HAUL OFF ESCESS MATERIAL C.Y. 1717 3040504 TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) S.Y. 2814 3040506 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) S.Y. 793 3101002 GRAVEL (A) TONS 28 4011209 BITUMINOUS PAVEMENT MIXTURE PG84-22, (BP-1) TONS 28 4013000 BITUMINOUS PAVEMENT MIXTURE PG84-22, (BASE) TONS 88 4071005 TACK COAT GAL 217 4081010 PRIME-LIQUID ASPHALT RC 70 OR MC 30 GAL 978 5021107 CONCRETE PAVEMENT (8 IN. NON-REINF) S.Y. 743 5021108 CONCRETE PAVEMENT (8 IN. NON-REINF) S.Y. 1573 6039902 ADJUST WATER VALVE TO GRADE EACH 2 6039932 ADJUST CLEANOUT TO GRADE EACH 2 6049903 ADJ				_		
2031000 CLASS A EXCAVATION C.Y. 1819			+			
2036000 COMPACTING EMPANKMENT C.Y. 117 2069907 HAUL OFF ESCESS MATERIAL C.Y. 1717			-			
2069907	2031000	CLASS A EXCAVATION	-	1819		
3040504 TYPE 5 AGGREGATE FOR BASE (4 IN. THICK) S.Y. 2814	2036000	COMPACTING EMPANKMENT	C.Y.	117		
3040506 TYPE 5 AGGREGATE FOR BASE (6 IN. THICK) S.Y. 793 3101002 GRAVEL (A) TONS 28 4011209 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) TONS 253 4013000 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) TONS 88 4071005 TACK COAT	2069907	HAUL OFF ESCESS MATERIAL	C.Y.	1717		
3101002 GRAVEL (A) TONS 28	3040504	TYPE 5 AGGREGATE FOR BASE (4 IN. THICK)	S.Y.	2814		
4011209 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1) TONS 253 4013000 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) TONS 88 4071005 TACK COAT GAL. 217 4081010 PRIME-LIQUID ASPHALT RC 70 OR MC 30 GAL. 978 5021107 CONCRETE PAVEMENT (7 IN. NON-REINF) S.Y. 743 5021108 CONCRETE PAVEMENT (8 IN. NON-REINF) S.Y. 1573 6039902 ADJUST WATER VALVE TO GRADE EACH 6 6039922 ADJUST CLEANOUT TO GRADE EACH 11 6042010 ADJUST GAS VALVE TO GRADE EACH 11 6042010 ADJUST MANHOLE EACH 2 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 1 6049904 MADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	3040506	TYPE 5 AGGREGATE FOR BASE (6 IN. THICK)	S.Y.	793		
4013000 BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE) TONS 88	3101002	GRAVEL (A)	TONS	28		
4071005 TACK COAT 4081010 PRIME-LIQUID ASPHALT RC 70 OR MC 30 GAL. 978 5021107 CONCRETE PAVEMENT (7 IN. NON-REINF) 5021108 CONCRETE PAVEMENT (8 IN. NON-REINF) 6039902 ADJUST WATER VALVE TO GRADE 6039922 ADJUST CLEANOUT TO GRADE 6039932 ADJUST GAS VALVE TO GRADE 6042010 ADJUST MANHOLE 6042010 ADJUST MANHOLE 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE 6049903 ADJUST TELEPHONE MANHOLE TO GRADE 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	4011209	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BP-1)	TONS	253		
4081010 PRIME-LIQUID ASPHALT RC 70 OR MC 30 GAL. 978 5021107 CONCRETE PAVEMENT (7 IN. NON-REINF) S.Y. 743 5021108 CONCRETE PAVEMENT (8 IN. NON-REINF) S.Y. 1573 6039902 ADJUST WATER VALVE TO GRADE EACH 6 6039922 ADJUST CLEANOUT TO GRADE EACH 2 6039932 ADJUST GAS VALVE TO GRADE EACH 11 6042010 ADJUST MANHOLE EACH 2 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22, (BASE)	TONS	88		
5021107 CONCRETE PAVEMENT (7 IN. NON-REINF) S.Y. 743 5021108 CONCRETE PAVEMENT (8 IN. NON-REINF) S.Y. 1573 6039902 ADJUST WATER VALVE TO GRADE EACH 6 6039922 ADJUST CLEANOUT TO GRADE EACH 2 6039932 ADJUST GAS VALVE TO GRADE EACH 11 6042010 ADJUST MANHOLE EACH 2 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	4071005	TACK COAT	GAL.	217		
5021108 CONCRETE PAVEMENT (8 IN. NON-REINF) S.Y. 1573 6039902 ADJUST WATER VALVE TO GRADE EACH 6 6039922 ADJUST CLEANOUT TO GRADE EACH 2 6039932 ADJUST GAS VALVE TO GRADE EACH 11 6042010 ADJUST MANHOLE EACH 2 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	4081010	PRIME-LIQUID ASPHALT RC 70 OR MC 30	GAL.	978		
6039902 ADJUST WATER VALVE TO GRADE EACH 6 6039922 ADJUST CLEANOUT TO GRADE EACH 2 6039932 ADJUST GAS VALVE TO GRADE EACH 11 6042010 ADJUST MANHOLE EACH 2 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	5021107	CONCRETE PAVEMENT (7 IN. NON-REINF)	S.Y.	743		
6039922 ADJUST CLEANOUT TO GRADE EACH 2 6039932 ADJUST GAS VALVE TO GRADE EACH 11 6042010 ADJUST MANHOLE EACH 2 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	5021108	CONCRETE PAVEMENT (8 IN. NON-REINF)	S.Y.	1573		
6039932 ADJUST GAS VALVE TO GRADE EACH 11 6042010 ADJUST MANHOLE EACH 2 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6039902	ADJUST WATER VALVE TO GRADE	EACH	6		
6042010 ADJUST MANHOLE EACH 2 6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6039922	ADJUST CLEANOUT TO GRADE	EACH	2		
6049902 ADJUST ELECTRICAL MANHOLE TO GRADE EACH 2 6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6039932	ADJUST GAS VALVE TO GRADE	EACH	11		
6049903 ADJUST TELEPHONE MANHOLE/BOX TO GRADE EACH 3 6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6042010	ADJUST MANHOLE	EACH	2		
6071056 (72 IN.) PROPERTY FENCE (STRUCTURES) L.F. 142 6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6049902	ADJUST ELECTRICAL MANHOLE TO GRADE	EACH	2		
6079902 MECHANICAL GATE EACH 1 6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6049903	ADJUST TELEPHONE MANHOLE/BOX TO GRADE	EACH	3		
6081010 CONCRETE CURB RAMP S.Y. 248 6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6071056	(72 IN.) PROPERTY FENCE (STRUCTURES)	L.F.	142		
6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6079902	MECHANICAL GATE	EACH	1		
6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650	6081010	CONCRETE CURB RAMP	S.Y.	248		
	6081012	TRUNCATED DOMES	S.F.	133		
	6086004	CONCRETE SIDEWALK, 4 IN.	S.Y.	1650		
6086007 CONCRETE SIDEWALK, 7 IN. S.Y. 265	6086007	CONCRETE SIDEWALK, 7 IN.	S.Y.	265		
6091010 CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S L.F. 239	6091010	CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S	L.F.	239		
6092011 INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A L.F. 823	6092011	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A	L.F.	823		
6092012 INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE B L.F. 1421	6092012	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE B	L.F.	1421		
6092014 INTEGRAL CURB TYPE N L.F. 111	6092014	INTEGRAL CURB TYPE N	L.F.	111		
6092098 CONCRETE WHEEL STOP EACH 8	6092098	CONCRETE WHEEL STOP	EACH	8		
6092099 BOLLARD EACH 39	6092099	BOLLARD	EACH	39		
6131014 FULL DEPTH PAVEMENT REPAIR SAW CUT L.F. 4364	6131014	FULL DEPTH PAVEMENT REPAIR SAW CUT	L.F.	4364		
6161005 CONSTRUCTION SIGNS S.F. 400	6161005	CONSTRUCTION SIGNS	S.F.	400		
6161024 CHANNELIZER (TRIM LINE) WITH LIGHT EACH 139	6161024	CHANNELIZER (TRIM LINE) WITH LIGHT	EACH	139		
6161031 TYPE III MOVEABLE BARRICADE WITH LIGHT EACH 19	6161031	TYPE III MOVEABLE BARRICADE WITH LIGHT	EACH	19		
6161040 FLASHING ARROW PANEL EACH 1	6161040	FLASHING ARROW PANEL	EACH	1		

6161098	CHANGEABLE MESSAGE SIGN, CONTRACTOR FURNISHED, CONTRACTOR	EACH	2	
6181000	RETAINED MOBILIZATION	L.S.	1	
6274000	CONTRACTOR FURNISHED SURVEYING AND STAKING	L.S.	1	
7209904	MODULAR BLOCK RETAINING WALL	S.F.	350	
7250312A	12 IN. PIPE GROUP B	L.F.	459	
7269903	6 IN. PVC UNDERDRAIN (PAVERS)	L.F.	235	
7269924	GRANULAR FILL	C.Y.	159	
7319901	MSD STANDARD PRECAST MANHOLE	EACH	6	
7319902	MSD STANDAARD PRECAST SINGLE CURB INLET	EACH	2	
7319903	MSD STANDARD PRECAST SINGLE CURB INLET (TRAPPED)	EACH	5	
7319904	MSD STANDARD PRECAST DOUBLE CURB INLET (TRAPPED)	EACH	2	
7319905	MSD STANDARD DOUBLE 2 GRATE INLET (TRAPPED)	EACH	1	
7319906	MSD 2 GRATE INLET WITH SIDE INTAKE	EACH	1	
7319907	MSD DOUBLE 2 GRATE INLET WITH SIDE INTAKE	EACH	1	
7319908	MSD STANDARD AREA INLET, OPEN 4 SIDES (TRAPPED)	EACH	1	
8051000A	SEEDING - COOL SEASON MIXTURES	ACRE	0.5	
8061007A	CURB INLET CHECK	EACH	15	
8061019	SILT FENCE	L.F.	1385	
9039902	RELOCATE CAR DEALERSHIP SIGN	EACH	1	
9039903	RELOCATE LIGHT AT CAR DEALERSHIP	EACH	4	
9039903		EACH	4	
	ROADWAY ITEMS SUBTOTAL:			
	PAVEMENT MARKING:			
620600B	4 IN. WHITE ACRYLIC WATERBORNE PAVEMENT MARKING PAINT	L.F.	2849	
6206001B	4 IN. YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT	L.F.	2724	
6206106	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6 IN., WHITE	L.F.	534	
				
6206124	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., WHITE	L.F.	131	
6206124 6206125	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., WHITE ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW	L.F.	131 44	
6206125	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW	L.F.		
			44	
6206125 6206197	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW	L.F. EACH	44	
6206125 6206197 6206198	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW	L.F. EACH EACH	44 4 6	
6206125 6206197 6206198	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW	L.F. EACH EACH	44 4 6	
6206125 6206197 6206198	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL:	L.F. EACH EACH	44 4 6	
6206125 6206197 6206198	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW	L.F. EACH EACH	44 4 6	
6206125 6206197 6206198 6206199	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL: TRAFFIC SIGNAL ITEMS:	L.F. EACH EACH	44 4 6 6 6	
6206125 6206197 6206198 6206199 9018245	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL: TRAFFIC SIGNAL ITEMS: POLE FOUNDATIONS (45 FT. OR 13.5 M MOUNTING HEIGHT)	L.F. EACH EACH EACH	44 4 6 6 6	
6206125 6206197 6206198 6206199 9018245 9020513	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL: TRAFFIC SIGNAL ITEMS: POLE FOUNDATIONS (45 FT. OR 13.5 M MOUNTING HEIGHT) SIGNAL HEAD, TYPE 3B	L.F. EACH EACH EACH EACH	44 4 6 6	
6206125 6206197 6206198 6206199 9018245 9020513 9020514	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL: TRAFFIC SIGNAL ITEMS: POLE FOUNDATIONS (45 FT. OR 13.5 M MOUNTING HEIGHT) SIGNAL HEAD, TYPE 3B SIGNAL HEAD, TYPE 4B	L.F. EACH EACH EACH EACH EACH EACH	44 4 6 6 6	
6206125 6206197 6206198 6206199 9018245 9020513 9020514 9020811 9020821	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL: TRAFFIC SIGNAL ITEMS: POLE FOUNDATIONS (45 FT. OR 13.5 M MOUNTING HEIGHT) SIGNAL HEAD, TYPE 3B SIGNAL HEAD, TYPE 4B SIGNAL HEAD, TYPE 1S, PEDESTRIAN SIGNAL HEAD, TYPE 11S, PEDESTRIAN	EACH EACH EACH EACH EACH EACH EACH EACH	44 4 6 6 1 8 2 4	
6206125 6206197 6206198 6206199 9018245 9020513 9020514 9020811 9020821 9022708	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL: TRAFFIC SIGNAL ITEMS: POLE FOUNDATIONS (45 FT. OR 13.5 M MOUNTING HEIGHT) SIGNAL HEAD, TYPE 3B SIGNAL HEAD, TYPE 4B SIGNAL HEAD, TYPE 1S, PEDESTRIAN SIGNAL HEAD, TYPE 11S, PEDESTRIAN POST, SIGNAL 8 FT. OR 2.4 M.	EACH EACH EACH EACH EACH EACH EACH EACH	44 4 6 6 1 8 2 4 2 3	
6206125 6206197 6206198 6206199 9018245 9020513 9020514 9020811 9020821 9022708 9023115	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL: TRAFFIC SIGNAL ITEMS: POLE FOUNDATIONS (45 FT. OR 13.5 M MOUNTING HEIGHT) SIGNAL HEAD, TYPE 3B SIGNAL HEAD, TYPE 4B SIGNAL HEAD, TYPE 1S, PEDESTRIAN SIGNAL HEAD, TYPE 11S, PEDESTRIAN POST, SIGNAL 8 FT. OR 2.4 M. POST, TYPE CL, 15 FT. ARM OR 4.6 M ARM	EACH EACH EACH EACH EACH EACH EACH EACH	44 4 6 6 6 1 8 2 4 2 3	
6206125 6206197 6206198 6206199 9018245 9020513 9020514 9020811 9020821 9022708	ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT/TURN ARROW PAVEMENT MARKING SUBTOTAL: TRAFFIC SIGNAL ITEMS: POLE FOUNDATIONS (45 FT. OR 13.5 M MOUNTING HEIGHT) SIGNAL HEAD, TYPE 3B SIGNAL HEAD, TYPE 4B SIGNAL HEAD, TYPE 1S, PEDESTRIAN SIGNAL HEAD, TYPE 11S, PEDESTRIAN POST, SIGNAL 8 FT. OR 2.4 M.	EACH EACH EACH EACH EACH EACH EACH EACH	44 4 6 6 1 8 2 4 2 3	

9024920	DETECTOR, PUSH BUTTON	EACH	8	
9024975	VIDEO DETECTION SYSTEM	EACH	1	
9025300	CONDUIT, 3 IN., TRENCH	L.F.	96	
9028100	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	L.F.	240	
9028302	CABLE, 12 AWG 2 CONDUCTOR	L.F.	530	
9028308	CABLE, 16 AWG 2 CONDUCTOR	L.F.	990	
9028310	CABLE, 16 AWG 5 CONDUCTOR	L.F.	1000	
9028311	CABLE, 16 AWG 7 CONDUCTOR	L.F.	1800	
9028611	POWER SUPPLY ASSEMBLY, TYPE 1 WITH 120V LIGHTING CONTROL CABINET	EACH	1	
9028811	PULL BOX, PREFORMED CLASS 2	EACH	3	
9028812	PULL BOX, PREFORMED CLASS 3	EACH	1	
9029100	BASE, CONCRETE	C.Y.	9.6	
9029400	TEMPORARY TRAFFIC SIGNALS	L.S.	1	
9029901	RELOCATE COMMUNICATIONS POLE & EQUIPMENT	L.S.	1	
9029901	RELOCATE & MODIFY TRAFFIC SIGNAL EQUIPEMENT	L.S.	1	
9035068	SIGNAL SIGN, TYPE SHR2L-1	S.F.	36	
9039902	ILLUMINATED SIGN	EACH	4	
	TRAFFIC SIGNAL ITEMS SUBTOTAL:			
	LIGHTING ITEMS:			
9014501	CONDUIT, 1 IN. RIGID, EXTERNAL ON STRUCTURE	L.F.	50	
9017002	CABLE, 2 AWG 1 CONDUCTOR	L.F.	100	
9017010	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	L.F.	1450	
9017407	CABLE CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	L.F.	7500	
9018610	POWER SUPPLY ASSEMBLY, TYPE 1 240/120 VOLT SERVICE, LIGHTING ONLY	EACH	1	
9019902	100W LED LIGHT FIXTURE WITH 15 FOOT DECORATIVE POLE	EACH	56	
9019905	10' X 3/4" COPPER CLAD GROUND ROD	EACH	57	
9029100	BASE, CONCRETE	C.Y.	24	
	LIGHTING ITEMS SUBTOTAL:			
	LIGHTING HEWS SUBTOTAL:			
	LANDOGA PINIG ITEMO			
8089902	LANDSCAPING ITEMS: TREE GRATE	EACH	6	
8089903	BENCH	EACH	1	
ชบ89904	WASTE RECEPTACLE	EACH	2	
8089904 8089905	WASTE RECEPTACLE EXPOSED AGGREGATE CONCRETE PAVING	EACH S.Y.	2 445	
		S.Y.		
8089905	EXPOSED AGGREGATE CONCRETE PAVING	S.Y.	445	
8089905 8089906	EXPOSED AGGREGATE CONCRETE PAVING BUS STOP CONCRETE SEAT WALL	S.Y. S.F.F.	445 35	
8089905 8089906 8089907	EXPOSED AGGREGATE CONCRETE PAVING BUS STOP CONCRETE SEAT WALL SCULPTURE NODE CONCRETE SEAT WALL	S.Y. S.F.F. S.F.F.	445 35 62	
8089905 8089906 8089907 8089908	EXPOSED AGGREGATE CONCRETE PAVING BUS STOP CONCRETE SEAT WALL SCULPTURE NODE CONCRETE SEAT WALL PERMEABLE PAVING	S.Y. S.F.F. S.F.F.	445 35 62 1050	
8089905 8089906 8089907 8089908 8089909	EXPOSED AGGREGATE CONCRETE PAVING BUS STOP CONCRETE SEAT WALL SCULPTURE NODE CONCRETE SEAT WALL PERMEABLE PAVING CANOPY TREES	S.Y. S.F.F. S.F.F. S.F.	445 35 62 1050 59	
8089905 8089906 8089907 8089908 8089909 8089910	EXPOSED AGGREGATE CONCRETE PAVING BUS STOP CONCRETE SEAT WALL SCULPTURE NODE CONCRETE SEAT WALL PERMEABLE PAVING CANOPY TREES EVERGREEN TREES	S.Y. S.F.F. S.F.F. S.F. EACH	445 35 62 1050 59 53	
8089905 8089906 8089907 8089908 8089909 8089910 8089911	EXPOSED AGGREGATE CONCRETE PAVING BUS STOP CONCRETE SEAT WALL SCULPTURE NODE CONCRETE SEAT WALL PERMEABLE PAVING CANOPY TREES EVERGREEN TREES FLOWERING TREES	S.Y. S.F.F. S.F.F. S.F. EACH EACH	445 35 62 1050 59 53 13	
8089905 8089906 8089907 8089908 8089909 8089910 8089911 8089912	EXPOSED AGGREGATE CONCRETE PAVING BUS STOP CONCRETE SEAT WALL SCULPTURE NODE CONCRETE SEAT WALL PERMEABLE PAVING CANOPY TREES EVERGREEN TREES FLOWERING TREES SHRUBS	S.Y. S.F.F. S.F.F. EACH EACH EACH	445 35 62 1050 59 53 13	

8089916	TOP SOIL	C.Y.	1320		
8089917	DEMOLITION & EXCAVATION	C.Y.	1500		
	LANDSCAPING ITEMS SUBTOTAL:				
	IRRIGATION ITEMS:				
6039904	SPRAY IRRIGATION	S.F.	20644		
6039905	DRIP IRRIGATION	S.F.	10113		
6039906	SLEEVING	L.F.	1345		
	IRRIGATION ITEMS SUBTOTAL:				
				TOTAL BID	

- L. Lenses and Refractors Gaskets: Use heat- and aging-resistant resilient gaskets to seal and cushion lenses and refractors in luminaire doors.
- M. Luminaire Finish: Manufacturer's standard paint applied to factory-assembled and -tested luminaire before shipping. Where indicated, match finish process and color of pole or support materials.
- N. Factory-Applied Finish for Steel Luminaires: Comply with NAAMM's "Metal Finishes Manual for Architectural and Metal Products" for recommendations for applying and designating finishes.
 - 1. Surface Preparation: Clean surfaces to comply with SSPC-SP 1, "Solvent Cleaning," to remove dirt, oil, grease, and other contaminants that could impair paint bond. Grind welds and polish surfaces to a smooth, even finish. Remove mill scale and rust, if present, from uncoated steel, complying with SSPC-SP 5/NACE No. 1, "White Metal Blast Cleaning," or SSPC-SP 8, "Pickling."
 - 2. Exterior Surfaces: Manufacturer's standard finish consisting of one or more coats of primer and two finish coats of high-gloss, high-build polyurethane enamel.
 - a. Color: Black.
- O. Factory-Applied Labels: Comply with UL 1598. Include recommended lamps and ballasts. Labels shall be located where they will be readily visible to service personnel, but not seen from normal viewing angles when lamps are in place.
 - 1. Label shall include the following lamp and ballast characteristics:
 - a. "USES ONLY" and include specific lamp type.
 - b. Lamp diameter code (T-4, T-5, T-8, T-12), tube configuration (twin, quad, triple), base type, and nominal wattage for fluorescent and compact fluorescent luminaires.
 - c. Lamp type, wattage, bulb type (ED17, BD56, etc.) and coating (clear or coated) for HID luminaires.
 - d. Start type (preheat, rapid start, instant start) for fluorescent and compact fluorescent luminaires.
 - e. ANSI ballast type (M98, M57, etc.) for HID luminaires.
 - f. CCT and CRI for all luminaires.

2.3 LED FIXTURE

- A. Description: Solid State LED with compatible driver shall include the following:
 - 1. Color Corrected Temperature (CCT): 3500K 4000K
 - 2. Color Rendering Index (CRI): 80
 - 3. Dimming: Minimum efficacy, light output, CCT, CRI, and power factor of dimmable lamps will be confirmed with the lamp operated at full power.
 - 4. Warranty: A warranty must be provided for lamps, covering material repair or replacement for a minimum of three (3) years from the date of purchase.
 - 5. Power Factor: For lamp power \leq 5W and for low voltage lamps, no minimum power factor is required. For lamp power > 5W, power factor must be \geq 0.70. Note: Power factor must be measured at rated voltage.
 - 6. Minimum Operating Temperature: -20°C
 - 7. LED Operating Frequency: ≥ 150 Hz

TEM NUMBER		OUMMA DV OF QUANTITIES		
	ITEM NUMBER	SUMMARY OF QUANTITIES	HAUT	OUANTITY
2019/00 CLEARING AND GRUBBING	HEM NUMBER		UNII	QUANTITY
2010/000 CLASS A RECOVERTION C.Y. 1819 20000077 MINUTE PECKES BATERIAL C.Y. 1717 20000077	2013000		ACRE	0.5
2009000	2022010	REMOVAL OF IMPROVEMENTS	L.S.	1
SPENSYT NURL DEFENCES MATERIAN C.Y. 1717	2031000	CLASS A EXCAVATION	C.Y.	1819
3946966 TYPE 5 AGREGATE FOR BASE IN N. THICK)				
1909/05/05 TYPES AGGREGATE FOR BASE (BIN, THICK) S.Y. 753 316/10/22 GRAVEL (A) TONS 28 316/10/22 GRAVEL (A) TONS 38 316/10/22 GRAVEL (A) TONS 316/10/22 GRAVEL (A) TONS 316/10/22 GRAVEL (A) TONS 316/10/22 GRAVEL (A) TONS TONS 316/10/22 GRAVEL (A) TONS TONS 316/10/22 GRAVEL (A) TONS				
STOROGE SPANEL (A)		, ,		
		, ,		
407005				
MORESTIC PRIME-LIQUID ASPINAT RG TO GY MC 30 GAL. 578	4013000	BITUMINOUS PAVEMENT MIXTURE PG64-22 (BASE)	TONS	88
SOCIETY CONCRETE PAVEMENT (F IN, NON-REINY)	4071005	TACK COAT	GAL.	217
SOCIO SOCIAL PROPERTY PARKENT IS IN JOURNETHY S.Y. 1573	4081010	PRIME-LIQUID ASPHALT RC 70 OR MC 30	GAL.	978
B039902 ADUIST WATER VALVE TO GRADE		· · · · · ·		
B0099922 ADJUST CLEANDUIT TO GRADE				
6039932 ADJUST GAS VALVE TO GRADE				
BOA2210				
B049902 ADJUST ELECTRICAL MANHOLE TO GRADE				
6071056 (72 NL) PROPERTY FENCE (STRUCTURES) L.F. 142				
6079902 MECHANICAL GATE	6049903	ADJUST TELEPHONE MANHOLE/BOX TO GRADE	EACH	3
6081010	6071056	(72 IN.) PROPERTY FENCE (STRUCTURES)	L.F.	142
6081012 TRUNCATED DOMES S.F. 133 6086004 CONCRETE SIDEWALK, 4 IN. S.Y. 1650 6086007 CONCRETE SIDEWALK, 7 IN. S.Y. 1650 6086007 CONCRETE SIDEWALK, 7 IN. S.Y. 265 6091010 CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S L.F. 239 6092011 NTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE S L.F. 239 6092011 NTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE B L.F. 1421 6092014 NTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE B L.F. 1421 6092014 NTEGRAL CURB (7 IN. HEIGHT AND UNDER) TYPE B L.F. 111 6092098 CONCRETE WHEEL STOP EACH 39 6092009 EACH 39 6191014 FULL DEPTH PAVEMENT REPAIR SAW CUT L.F. 4394 6191004 CONSTRUCTION SIGNS SG. FT. 400 6191004 CONSTRUCTION SIGNS SG. FT. 400 6191004 CONSTRUCTION SIGNS SG. FT. 400 6191004 CHANNELEER (TRIM LINE) WITH LIGHT EACH 139 6191004 CHANNELEER (TRIM LINE) WITH LIGHT EACH 19 6191004 CONTRACTOR FUNDISHED SURVEYING AND STAKING L.S. 1 C.F. 439 C.F.				
6086004				
CONCRETE SIDEWALK, 7 N.				
6091010 CONCRETE CURB (6 IN. HEIGHT AND UNDER) TYPE S				
6092011 INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE A				
6092014 NTEGRAL CURB TYPE N		, ,		
6092098 CONCRETE WHEELSTOP	6092012	INTEGRAL CURB (6 IN. HEIGHT AND UNDER) TYPE B	L.F.	1421
6092099 BOLLARD	6092014	INTEGRAL CURB TYPE N	L.F.	111
6131014 FULL DEPTH PAVEMENT REPAIR SAW CUT	6092098	CONCRETE WHEEL STOP	EACH	8
6161005 CONSTRUCTION SIGNS SO, FT. 400 6161024 CHANNELIZER (TRIM LINE) WITH LIGHT EACH 139 6161031 TYPE III MOVEABLE BARRICADE WITH LIGHT EACH 19 6161040 FLASHING ARROW PANEL EACH 1 6161098 CHANGEABLE MESSAGE SIGN, CONTRACTOR FURNISHED, CONTRACTOR RETAINED EACH 2 6181000 MOBILIZATION L.S. 1 6274000 CONTRACTOR FURNISHED SURVEYING AND STAKING L.S. 1 7209904 MODULAR BLOCK RETAINING WALL S.F. 350 7250312A 12 IN, PIPE GROUP B L.F. 459 7269903 6" PVC UNDERDRAIN (PAVERS) L.F. 235 7269924 GRANULAR FILL CU. YD. 159 7319901 MSD STANDARD PRECAST MANHOLE EACH 6 7319902 MSD STANDARD PRECAST SINGLE CURB INLET (TRAPPED) EACH 5 7319903 MSD STANDARD PRECAST SINGLE CURB INLET (TRAPPED) EACH 5 7319904 MSD STANDARD PRECAST SINGLE CURB INLET (TRAPPED) EACH 2 7319905 MSD STANDARD PRECAST DOUBLE CURB INLET (TRAPPED) EACH 2 7319906 MSD STANDARD DOUBLE 2 GRATE INLET (TRAPPED) EACH 1 7319907 MSD DOUBLE 2 GRATE INLET WITH SIDE INTAKE EACH 1 7319908 MSD DOUBLE 2 GRATE INLET WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD PRECAST MICH WITH SIDE INTAKE	6092099	BOLLARD	EACH	39
6161024 CHANNELIZER (TRIM LINE) WITH LIGHT				
6161031 TYPE III MOVEABLE BARRICADE WITH LIGHT				
6161040 FLASHING ARROW PANEL EACH 1				
6161098 CHANGEABLE MESSAGE SIGN, CONTRACTOR FURNISHED, CONTRACTOR RETAINED 2 6181000 MOBILIZATION L.S. 1 6274000 CONTRACTOR FURNISHED SURVEYING AND STAKING L.S. 1 7209904 MODULAR BLOCK RETAINING WALL S.F. 350 7250312A 12 IN, PIPE GROUP B L.F. 459 7269903 6° PVC UNDERDRAIN (PAVERS) L.F. 235 7269924 GRANULAR FILL CU. YD. 159 7319901 MSD STANDARD PRECAST MANHOLE EACH 6 7319902 MSD STANDARD PRECAST SINGLE CURB INLET EACH 2 7319903 MSD STANDARD PRECAST SINGLE CURB INLET (TRAPPED) EACH 5 7319904 MSD STANDARD PRECAST DOUBLE CURB INLET (TRAPPED) EACH 2 7319905 MSD STANDARD PRECAST DOUBLE 2 GRATE INLET (TRAPPED) EACH 1 7319906 MSD STANDARD DOUBLE 2 GRATE INLET (TRAPPED) EACH 1 7319907 MSD DOUBLE 2 GRATE INLET WITH SIDE INTAKE EACH 1 7319908 MSD STANDARD AREA INLET (TRAPPED) OPEN 4 SIDES <td< td=""><td></td><td></td><td></td><td></td></td<>				
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7319908 MSD STANDARD AREA INLET (TRAPPED) OPEN 4 SIDES EACH 1 8051000A SEEDING - COOL SEASON MIXTURES ACRE 0.5 8061007A CURB INLET CHECK EACH 15 8061019 SILT FENCE L.F 1385 9039902 RELOCATE CAR DEALERSHIP SIGN EACH 1 9039903 RELOCATE LIGHT AT CAR DEALERSHIP EACH 4 PAVEMENT MARKING: 620600B 4 IN, WHITE ACRYLIC WATERBORNE PAVEMENT MARKING PAINT L.F. 2849 620600B 4 IN, YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT L.F. 2724 620610B ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6 IN., WHITE L.F. 534 6206124 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 7 IN., WHITE L.F. 131 6206125 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 7 STRAIGHT ARROW L.F. 44 6206198 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW EACH 6	7319906		EACH	1
8051000A SEEDING - COOL SEASON MIXTURES ACRE 0.5				
8061007A CURB INLET CHECK		, ,		
SILT FENCE				
9039902 RELOCATE CAR DEALERSHIP SIGN				
PAVEMENT MARKING:				
620600B 4 IN. WHITE ACRYLIC WATERBORNE PAVEMENT MARKING PAINT L.F. 2849 6206001B 4 IN. YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT L.F. 2724 6206106 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6 IN., WHITE L.F. 534 6206124 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., WHITE L.F. 131 6206125 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW L.F. 44 6206197 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW EACH 4 6206198 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW EACH 6				
620600B 4 IN. WHITE ACRYLIC WATERBORNE PAVEMENT MARKING PAINT L.F. 2849 6206001B 4 IN. YELLOW ACRYLIC WATERBORNE PAVEMENT MARKING PAINT L.F. 2724 6206106 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 6 IN., WHITE L.F. 534 6206124 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., WHITE L.F. 131 6206125 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW L.F. 44 6206197 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW EACH 4 6206198 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW EACH 6				
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6206125 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, 24 IN., YELLOW L.F. 44 6206197 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW EACH 4 6206198 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW EACH 6				
6206197 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, STRAIGHT ARROW EACH 4 6206198 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW EACH 6				
6206198 ACRYLIC WATERBORNE PAVEMENT MARKING PAINT, TURN ARROW EACH 6				

		SUMMARY OF QUANTITIES		
	ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY
=	<u>~~~</u>	TRAFFIC SIGNAL LITEMS:	\sim	\sim
	9018245	POLE FOUNDATIONS (45 FT. OR 13.5 M MOUNTING HEIGHT)	EACH	1
_	9020513	STORNAL FREAD, FYPE 38	TEACH	
_	9020514	SIGNAL HEAD, TYPE 4B	EACH	2
_	9020811	SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EACH	4
_	9020821	SIGNAL HEAD, TYPE 11S, PEDESTRIAN	EACH	2
	9022708	POST, SIGNAL 8 FT. OR 2.4 M.	EACH	3
	9023115	POST, TYPE CL, 15 FT. ARM OR 4.6 M ARM	EACH	1
	9023145	POST, TYPE CL, 45 FT. ARM OR 13.7 M ARM	EACH	1
	9023445	POST, TYPE BL, LONGEST ARM 45 FT. OR 13.7 M	EACH	1
	9024283	CONTOLLER ASSEMBLY HOUSING, NEMA TS2 CONTROLLER	EACH	1
	9024920	DETECTOR, PUSHBUTTON	EACH	8
	9024975	VIDEO DETECTION SYSTEM	EACH	1
	9025300	CONDUIT, 3 IN., TRENCH	L.F.	96
	9028100	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	L.F.	240
	9028302	CABLE, 12 AWG 2 CONDUCTOR	L.F.	530
_	9028308	CABLE, 16 AWG 2 CONDUCTOR	L.F.	990
	9028310	CABLE, 16 AWG 5 CONDUCTOR	L.F.	1000
_	9028311	CABLE, 16 AWG 7 CONDUCTOR	L.F.	1800
	9028611	POWER SUPPLY ASSEMBLY, TYPE 1 WITH 120V LIGHTING CONTROL CABINET	EACH	1
	9028811	PULL BOX, PREFORMED CLASS 2	EACH	3
	9028812	PULL BOX, PREFORMED CLASS 3	EACH	
	9029100	BASE, CONCRETE	C.Y.	9.6
	9029400	TEMPORARY TRAFFIC SIGNALS	L.S.	
	9029901	RELOCATE COMMUNICATIONS POLE & EQUIPMENT	L.S.	1
	9029901	RELOCATE & MODIFY TRAFFIC SIGNAL EQUIPMENT	L.S.	1
-	9035068	SIGNAL SIGN, TYPE SHR2L-1	S.F.	36
	9039902	ILLUMINATED SIGN	EACH	4
	000000		27.077	
	9014501	LIGHTING ITEMS: CONDUIT, 1 IN. RIGID, EXTERNAL ON STRUCTURE	L.F.	50
-		CABLE, 2 AWG 1 CONDUCTOR	L.F.	
_	9017002	CABLE, 10 AWG 1 CONDUCTOR, POLE AND BRACKET	_	100
_	9017010		L.F.	1450
_	9017407	CABLE CONDUIT, 1 IN., 2 CONDUCTORS AND 1 BARE NEUTRAL, 8 AWG	L.F.	7500
•	9018610	POWER SUPPLY ASSEMBLY, TYPE 1, 240/120 VOLT SERVICE, LIGHTING ONLY	EACH	1
_	9019902	100W LED LIGHT FIXTURE WITH 15 FOOT DECORATIVE POLE	EACH	56
_	9019905	10' X 3/4" COPPER CLAD GROUND ROD	EACH	57
_	9029100	BASE, CONCRETE	C.Y.	24
_				
_		LANDSCAPE ITEMS:		
-	8089902	TREE GRATE	EACH	6
	8089903	BENCH	EACH	1
_	8089904	WASTE RECEPTACLE	EACH	2
_	8089905	EXPOSED AGGEGRATE CONCRETE PAVING	S.Y.	445
_	8089906	BUS STOP CONCRETE SEAT WALL	S.F.F.	35
_	8089907	SCULPTURE NODE CONCRETE SEAT WALL	S.F.F.	62
_	8089908	PERMEABLE PAVING	S.F.	1050
_	8089909	CANOPY TREES	EACH	59
	8089910	EVERGEEN TREES	EACH	53
_	8089911	FLOWERING TREES	EACH	13
	8089912	SHRUBS	EACH	75
	8089913	PERENNIALS	EACH	7143
	8089914	SOD	S.Y.	2446
	8089915	STRUCTURAL SOIL	C.Y.	170
	8089916	TOP SOIL	C.Y.	1320
	8089917	DEMOLITION & EXCAVATION	C.Y.	1500
_		IRRIGATION ITEMS:		
	6039904	SPRAY IRRIGATION	S.F.	20644
	6039904 6039905	SPRAY IRRIGATION DRIP IRRIGATION	S.F.	20644 10113

STP-5401(669) 1 | 3/8/16 | ADDENDUM 1 NO. DATE REVISION CITY OF MAPLEWOOD MANCHESTER ROAD - PHASE 3 SUMMARY OF QUANTITIES CITY: MAPLEWOOD COUNTY: ST. LOUIS STATE: MISSOURI

AGE SETUP NAME: 11X17PDF CTB: Trans-std-haff.ctb
SAVE DATE: 3/7/2016 6:36:19 AM PLOT DATE: 3/7/2016 6:37:15 AM

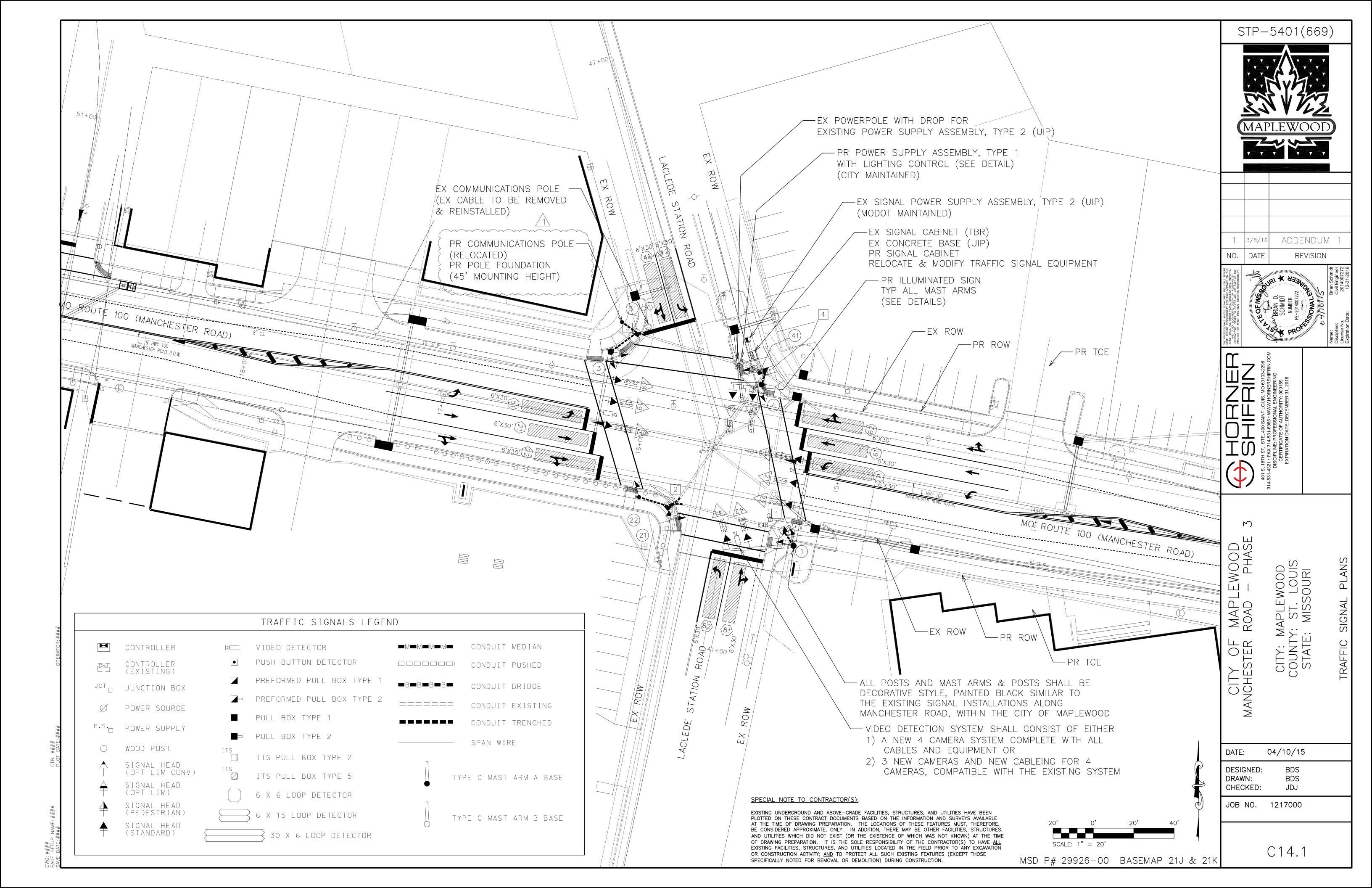
21.I=4 C2A

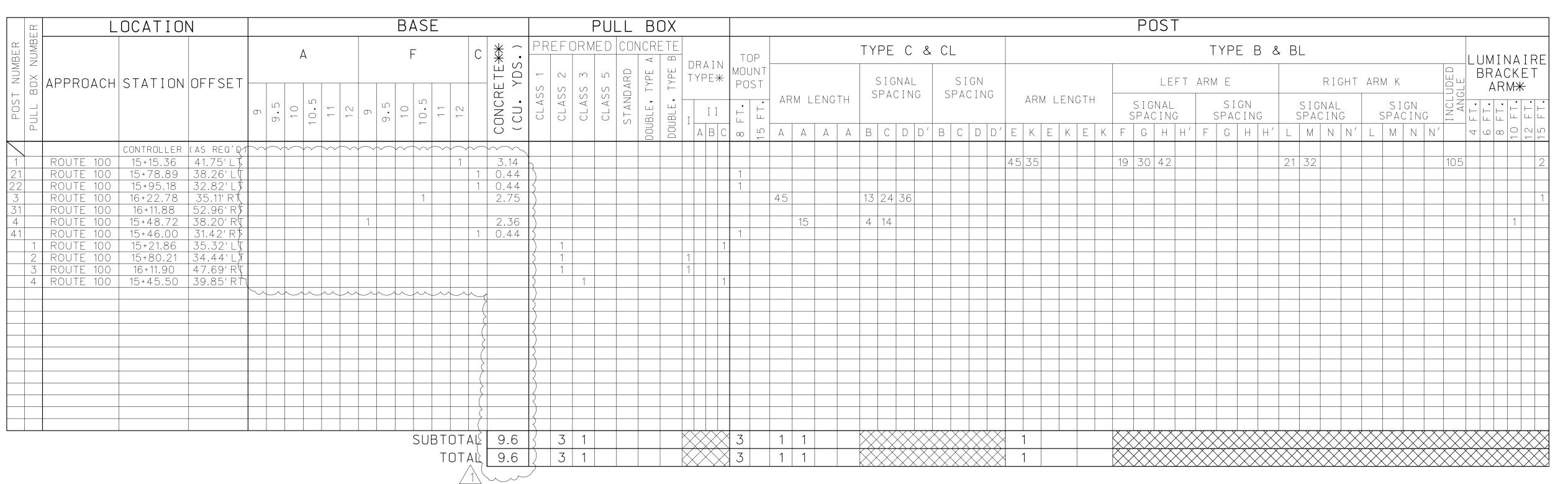
DATE:

DESIGNED: DRAWN: CHECKED:

02/10/2016

AMH AMH JDJ





									SIGNAL	HEA	DS												
	RE IUM					INDICATIONS *	VIS	ORS *		BACK	(PLATE *	BRA	CKET *			ONE-FAC	Έ			ΤW	0-F	ACE	
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1 85						1		1				1											
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3 62		1 1		1			3				1	1				1							
3 65						1		1				1											
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		SIGN	S	
	MUTCD SIGN NUMBER	SIZE (INCHES)	AREA (SQ. FT.)	TOTAL AREA EACH SIGN (SQ, FT,)
R	10-10L	24 X 30	5.0	
	10-10R	24 X 30	5.0	
	3-5L	30 X 36	7.5	
	3-5R	30 X 36	7.5	
	3-5S	30 X 36 30 X 36	7.5 7.5	
	3-6L 3-6R	30 X 36	7.5	
	3-2	24 X 24	4.0	
	<u>3 - 2 </u>	24 X 24	4.0	
	3 – 3	24 X 24	4.0	
	10-5	24 X 30	5.0	
	10-12	24 X 30	5.0	
	3-16 ***	VAR. X 16		
	3-18 ***	VAR. X 18		
	10-3B	9 X 12	0.75	6
	<u>10-11A</u> 10-13	24 X 30 60 X 30	5.0 12.5	
T R	10-13	60 X 30	12.5	
4 R	10-FYA	30 X 36	7.5	30
SUBTO	TAL AREA	ITEM NO. 9	303-50.68	36
TOTAL	AREA ITE	EM NO. 903-	-50.68	36

REMARKS

- ALL LENGTHS AND SPACINGS ARE IN FEET UNLESS OTHERWISE INDICATED.
- * ITEMS FOR WHICH SEPARATE PAYMENT WILL NOT BE MADE.
- ** SEE STANDARD PLANS 902.10 AND 902.30 FOR CONCRETE REQUIREMENTS ON BASES.
- *** USE D3-16 FOR ONE LINE. USE D3-18 FOR TWO LINE.

SIGNAL STRUCTURES WHICH WILL EXCEED THE DIMENSION LIMITS SHOWN ON STANDARD PLAN SHEETS IN SECTION 902 AND ANY OTHER INSTALLATION WHERE THE DETAILS OF CONSTRUCTION ARE NOT FURNISHED IN THE CONTRACT PLANS, SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER IN ACCORDANCE WITH THE 2001 AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS, 4TH EDITION, AND LATEST INTERIMS. THE STRUCTURE SHALL BE DESIGNED AS IMPORTANCE CATEGORY I FOR FATIGUE WITH A 50-YEAR DESIGN LIFE. THE CONTRACTOR SHALL SUBMIT A SET OF SHOP DETAIL DRAWINGS INCLUDING WELD PROCEDURE SPECIFICATIONS AND DESIGN COMPUTATIONS FOR MODOT RECORDS AND REFERENCE. THE SUBMITTED DRAWINGS AND CALCULATIONS SHALL BE SIGNED AND SEALED IN ACCORDANCE WITH THE LAWS RELATING TO ARCHITECTS AND PROFESSIONAL ENGINEERS (CHAPTER 327, RSMO.), AND SHALL INCLUDE A TITLE BLOCK OR SUMMARY SHEET WHICH LISTS AND CERTIFIES THAT THE PRODUCT MEETS ALL OF THE SPECIFIED DESIGN CRITERIA.

LEGEND

- T TOP MOUNT
- S SIDE MOUNT C - SPANWIRE MOUNT
- B MAST ARM MOUNT

MO ROUTE 100 (MANCHESTER ROAD) AND LACLEDE STATION ROAD INTERSECTION

C14.2

JOB NO. 1217000

04/10/15

BDS

BDS

JDJ

STP-5401(669)

ADDENDUM

REVISION

1 3/8/16

NO. DATE

TOUNTED STIFFIN

MAPLEWOOL ROAD - PHAS

MSD P# 29926-00 BASEMAP 21J & 21K

DATE:

DESIGNED:

CHECKED:

DRAWN:

