Sam Page
County Executive

Stephanie Leon Streeter, P.E.
Acting Director

Joseph W. Kulessa, P.E.
Acting Deputy Director

March 9, 2022

A D D E N D U M N O. 3

Notice to All Persons and Firms Proposing
to Submit a Bid or Furnish Materials for
Dielman Road ARS Infrastructure
St. Louis County Project No. AR-1554
Federal Project No. STP-5627(602)

The following changes are made to the Bid Proposal:

No. 1

Replace Itemized Bid Page 8 of 9 on Page 273 of 282 of the Bid Proposal with the attached Itemized Bid Page 8A of 9 on Page 273A of 282.
Replace plan sheets 2 and 47 of 49, with the attached sheets 2A and 47A of 49.
Please note the addition of:

- Bid Item 904-91.88, Base, Type D-8PH, Concrete, 1 Each
- Bid Item 904-96.20, Removal of Concrete Base, 1 Each

ATTENTION BIDDERS: THE ADDENDUM ACKNOWLEDGEMENT IN THE BID DOCUMENTS MUST BE COMPLETED AND SUBMITTED WITH ALL BID PROPOSALS.

Kori R. Ny

Kori Neely, P.E.
Supervisor, Project Managers
Project Development

KN/gm
Attachments: Page 273A of 282 of the Bid Proposal, 1 page;
Plan sheets 2A and 47A of 49, 2 sheets

ITEMIZED BID
BID OPTION 1 OF 1

Addendum No. 3
Dielman Rd. AR-1554
STP-5627(602)

FEDERAL PROJECT NO. STP-5627(602)
COUNTY PROJECT NO. AR-1554

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
COUNTY TRAFFIC SIGNAL ITEMS					
3 904-91.88	Base, Type D-8PH, Concrete	EACH	1		
904-91.90	Base, Type E-3, Concrete	EACH	1		
904-93.10	Temporary Signal Installation	EACH	1		
904-95.10	Opening Drilled in Existing Concrete Pull Box	EACH	5		
904-96.16	Removal of Concrete Base, Type A, B, F, (Full Depth, Under 3.0 Cubic Yards)	EACH	2		
3 904-96.20	Removal of Concrete Base	EACH	1		
904-97.41	Removal of Mast Arm	EACH	2		
904-97.42	Removal of Signal Head	EACH	4		
904-99.24	Intelligent Traffic Systems (ITS)	L.S.	1		
SUBTOTAL - COUNTY TRAFFIC SIGNAL ITEMS					

SUMMARY OF QUANTITIES - STP-5627(602)

ITEM NO.	JSP	DESCRIPTION	UNIT	SUBTOTAL	PROJECT TOTAL	REMARKS
		ROADWAY ITEMS				
201-20.11		CLEARING VEGETATION FROM PEDESTRIAN ACCESS ROUTE	LS	1	1	
202-20.10		REMOVAL OF IMPROVEMENTS	LS	1	1	
203-10.30		LAND DISTURBANCE PERMIT	LS	1	1	
207-20.00		LINEAR GRADING, CLASS 2	STA	2.6	2.6	
304-05.04		TYPE 5 AGGREGATE (4" THICK)	SY	2,253.0	2,365.7	5% CONTINGENCY ADDED
404-09.04		1.25" SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP95 (PG70-22)D 1.913 TON/CY	TON	1,351.3	1,418.9	5% CONTINGENCY ADDED
404-12.72		1.75" SUPERPAVE ASPHALTIC CONCRETE MIXTURE SP125 (PG70-22)DLP 1.927 TON/CY	TON	1,863.7	1,956.9	5% CONTINGENCY ADDED
405-30.10		2" TYPE "C" BITUMINOUS CONCRETE (PAVEMENT) 1.927 TON/CY	TON	80.4	84.4	5% CONTINGENCY ADDED
405-30.20		2" TYPE "D" BITUMINOUS CONCRETE (PAVEMENT) 1.927 TON/CY	TON	22	23	5% CONTINGENCY ADDED
407-10.27		TACK-EMULSIFIED ASPHALT (SS-1H)	GAL	5,050	5,310	5% CONTINGENCY ADDED
412-10.04		PAVEMENT SURFACING AND TEXTURING (0" TO 4"), CONCRETE OR ASPHALT	SY	20,801	20,801	
414-10.00		CRACK SEALING	MILE	0.5	0.5	
502-11.68		REMOVE AND REPLACE CONCRETE PAVEMENT (8" NON-REINFORCED)	SY	150	150	
509-15.12		CONCRETE BASE REPAIR (12" NON-REINFORCED, REMOVAL AND REPLACEMENT), EXCLUDES CURB	SY	230	230	
509-16.12		CONCRETE BASE REPAIR (12" NON-REINFORCED, REMOVAL AND REPLACEMENT), EXCLUDES CURB, VERY EARLY STRENGTH	SY	1,130	1,130	
603-10.35		ADJUST WATER SERVICE VALVE BOX TO GRADE	EACH	10	10	
603-10.40		ADJUST WATER SERVICE METER BOX TO GRADE	EACH	2	2	
603-10.45		REPLACE WATER SERVICE VALVE BOX AND ADJUST TO GRADE	EACH	4	4	
604-20.30		ADJUSTING MANHOLE TO GRADE	EACH	15	15	
604-90.50		REPLACE PRECAST INLET STONE AND ADJUST TO GRADE	EACH	6	6	
604-90.55		REPLACE INLET LID	EACH	3	3	
606-10.10		GUARDRAIL, TYPE "A"	LF	60	60	
606-30.00		GUARDRAIL TERMINAL SECTION	EACH	2	2	
606-30.86		TYPE A CRASHWORTHY END TERMINAL, (38'-3 1/2" LENGTH, MASH TL-2)	EACH	4	4	
606-60.00		GUARDRAIL, MGS W-BEAM, 6FT 3IN SPACING, 8FT POST	LF	38	38	
608-50.97		REMOVE AND REPLACE PAVED APPROACH (7")	SY	290.0	290.0	
609-10.15		REMOVE AND REPLACE CURB, TYPE S (8")	LF	188	188	
609-20.91		REMOVE AND REPLACE INTEGRAL CURB (OVER 6" HEIGHT)	LF	2,718	2,718.0	
612-30.10		STANDARD TRAFFIC CONTROL DEVICES	LS	1	1	
612-60.20		ARROW PANEL, TYPE "B" (NOISELESS), RENTAL	EACH	2	2	
619-00.00		MOBILIZATION	LS	1	1	
703-90.15		MODULAR BLOCK WALL (H<4')	SF	231	231	
803-20.00		STRIP SODDING	SY	524	550	5% CONTINGENCY ADDED
806-00.00		EROSION CONTROL MEASURES (SITES LESS THAN ONE ACRE)	LS	1	1	
806-45.00		INLET PROTECTION	LS	1	1	
		SIGNING, STRIPING, SIGNALS, AND LIGHTING ITEMS				
904-05.43		SIGNAL HEAD, TYPE 3B, W/ BP (ALL 12")	EACH	4	4	
904-24.01		SIGNAL HEAD, TYPE 1S, PEDESTRIAN	EACH	2	2	
904-32.18		19' POLE, W/ 18' MAST ARM, STEEL	EACH	2	2	
904-43.48		CONTROLLER, FULLY ACTUATED, (8 PHASE TIMER, IN ALUMINUM CABINET APPROX. 58"H X 30"W X 17"D, WIRED FOR 4 PHASE OPERATION) W/INTERNAL FIBER OPTIC MODEM AND TERMINATION HOUSING, TS2, TYPE 2	EACH	1	1	
904-46.30		FIBER OPTIC CABLE TERMINATION HOUSING, IN ALUMINUM CABINET APPROX. 36"H x 24"W x 22"D, GROUND MOUNTED	EACH	1	1	
904-49.22		DETECTOR, PEDESTRIAN PUSH BUTTON, APS, FREEZEPROOF	EACH	2	2	
904-49.35		DETECTOR, VEHCILE INDUCTION LOOP, CARD RACK MTG., 2 CHANNEL, W/DELAY AND EXTENSION TIMING AND RELAY OUTPUTS	EACH	2	2	
904-51.00		CONDUIT, 1"	LF	60	60	
904-52.00		CONDUIT, 2"	LF	1,375	1,375	
904-54.00		CONDUIT, 4"	LF	50	50	
904-74.99		CONDUIT REPAIR (LOCATE BROKEN CONDUIT, EXCAVATE, REMOVE EXISTING CABLE, REPAIR/REPLACE CONDUIT, REINSTALL CABLE, BACKFILL AND RESTORE) (DOES NOT INCLUDE SIDEWALK OR PAVEMENT REMOVAL AND REPLACEMENT)	EACH	1	1	
904-82.06		CABLE, POWER, •6 GAUGE, 1 CONDUCTOR	LF	200	200	
904-83.05		CABLE, SIGNAL, •14 GAUGE, 5 CONDUCTOR	LF	200	200	
904-83.07		CABLE, SIGNAL, •14 GAUGE, 7 CONDUCTOR	LF	450	450	
904-84.00		WIRE, STRANDED GROUND, •6 GAUGE	LF	50	50	
904-85.05		CABLE, DETECTOR LOOP, •14 GAUGE, 1 CONDUCTOR, W/ TUBE JACKET (IN CONDUIT AND PULL BOXES)	LF	150	150	
904-85.06		CABLE, DETECTOR LOOP, •14 GAUGE, 1 CONDUCTOR, W/ TUBE JACKET (IN SAWED SLOT)	LF	410	410	
904-85.18		CABLE, PUSH BUTTON AND/OR DETECTOR LOOP LEAD-IN, •18 GAUGE, 2 CONDUCTOR (SHIELDED)	LF	1,900	1,900	
904-85.34		CABLE, COMMUNICATION, •18 GAUGE, 4 CONDUCTOR (APS)	LF	50	50	
904-85.38		CABLE, COMMUNICATION, FIBER OPTIC, (48 SINGLE-MODE)	LF	1,360	1,360	
904-88.01		PULL BOX, SINGLE, CONCRETE	EACH	3	3	
904-90.13		PREFORMED PULL BOX (13"W x 24"L x 18"H), REINFORCED POLYMER CONCRETE W/1' CONCRETE APRON	EACH	1	1	
904-91.00		PAD, CONTROLLER, CONCRETE	EACH	1	1	
904-91.43		BASE, TYPE P-3, CONCRETE	EACH	1	1	
904-91.56		BASE, TYPE B-6, CONCRETE 1 ADDED	EACH	2	2	
~~904-91.73~~		~~BASE, TYPE C-3, CONCRETE~~	~~EACH~~	~~2~~	~~2~~	
904-91.88		BASE, TYPE D-8PH, CONCRETE	EACH	1	1	
~~904-91.90~~		~~BASE, TYPE E-3, CONCRETE~~	~~EACH~~	~~1~~	~~1~~	
904-93.10		TEMPORARY SIGNAL INSTALLATION	EACH	1	1	
904-95.10		OPENING DRILLED IN EXISTING CONCRETE PULL BOX 1 ADDED	EACH	5	5	
~~904-96.16~~		~~REMOVAL OF CONCRETE BASE, TYPE A, B, F (FULL DEPTH, UNDER 3.0 CY)~~	~~EACH~~	~~2~~	~~2~~	
904-96.20		REMOVAL OF CONCRETE BASE	EACH	1	1	
~~904-97.41~~		~~REMOVAL OF MAST ARM~~	~~EACH~~	~~2~~	~~2~~	
904-97.42		REMOVAL OF SIGNAL HEAD	EACH	4	4	
904-99.24		INTELLIGENT TRAFFIC SYSTEMS (ITS)*	EACH	1	1	
		BIKE AND PEDESTRIAN ITEMS				
608-60.04		CONCRETE SIDEWALK (4" THICK)	SY	204.3	204.3	
608-60.93		REMOVE AND REPLACE CONCRETE CURB RAMP	EACH	50	50	

* THE CAT5 CABLE WILL BE INCLUDED IN THIS ITS PAY ITEM.

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Addendum No. 3
Dielman Rd. AR-1554
STP-5627(602)

COUNTY PROJECT NO. AR-1554
FEDERAL PROJECT NO. STP-5627(602)
E-W GATEWAY TIP NO. 6503M-16
MSD:
MSD BASE MAP: L16, L17

REV | DATE | BY | APP

DISCLAIMER OF RESPONSIBILITY
I hereby specify that the documents intended to be authorized by my seal are limited to this sheet, and I hereby disclaim any responsibility for all other Drawings, Specifications, Estimates, Reports or other documents or instruments relating to or intended to be used for any part or parts of the engineering project or survey.

STATE OF MISSOURI
JASON S. DOHRMANN
NUMBER PE-2004017159
PROFESSIONAL ENGINEER

DATE: 3/8/2022

HRGreen
JASON S. DOHRMANN
PROFESSIONAL ENGINEER
LICENSE NO. 2004017159

Saint Louis COUNTY
TRANSPORTATION
PUBLIC WORKS

DIELMAN ROAD RESURFACING
SUMMARY OF QUANTITIES

DESIGNED: A. SCHUMANN
DRAWN: K. REIS
CHECKED: J. DOHRMANN
SHEET SEQUENCE: 2A OF 49

TRAFFIC SIGNAL ITEMS (ST. LOUIS COUNTY)

ITEM NO.	DESCRIPTION	UNIT	QUANT.
DIELMAN ROAD PEDESTRIAN SIGNAL AT MARTIN LUTHER KING, JR. PARK			
904-05.43	Signal Head, Type 3B, w/ BP (All 12")	Ea.	4
904-24.01	Signal Head, Type 1S, Pedestrian	Ea.	2
904-32.18	19' Pole, w/18' Mast Arm, Steel	Ea.	2
904-43.48	Controller, Fully Actuated, (8 Phase Timer, in Aluminum Cabinet Approx. 58"H x 30"W x 17"D, Wired for 4 Phase Operation) w/ Internal Fiber Optic Modem and Termination Housing, TS2, Type 2	Ea.	1
904-46.30	Fiber Optic Cable Termination Housing, in Aluminum Cabinet Approx. 36"H x 24"W x 22"D, Ground Mounted	Ea.	1
904-49.22	Detector, Pedestrian Push Button, APS, Freezeproof	Ea.	2
904-49.35	Detector, Vehicle Induction Loop, Card Rack Mtg., 2 Channel, w/Delay and Extension Timing and Relay Outputs	Ea.	2
904-51.00	Conduit, 1"	L.F.	60
904-52.00	Conduit, 2"	L.F.	1,290
904-54.00	Conduit, 4"	L.F.	50
904-74.99	Conduit Repair (locate broken conduit, excavate, remove existing cable, repair/replace conduit, reinstall cable, backfill and restore) (Does not include sidewalk or pavement removal and replacement.)	Ea.	1
904-82.06	Cable, Power, #6 Gauge, 1 Conductor	L.F.	200
904-83.05	Cable, Signal, #14 Gauge, 5 Conductor	L.F.	200
904-83.07	Cable, Signal, #14 Gauge, 7 Conductor	L.F.	450
904-84.00	Wire, Stranded Ground, #6 Gauge	L.F.	50
904-85.05	Cable, Detector Loop, #14 Gauge, 1 Conductor, w/ Tube Jacket (In Conduit and Pull Boxes)	L.F.	150
904-85.06	Cable, Detector Loop, #14 Gauge, 1 Conductor, w/ Tube Jacket (In Sawed Slot)	L.F.	410
904-85.18	Cable, Push Button and/or Detector Loop Lead-In, #18 Gauge, 2 Conductor (Shielded)	L.F.	1,900
904-85.34	Cable, Communication, #18 Gauge, 4 Conductor (APS)	L.F.	50
904-85.38	Cable, Communication, Fiber Optic, (48 Single-Mode)	L.F.	1,360
904-88.01	Pull Box, Single, Concrete	Ea.	2
904-90.13	Preformed Pull Box (13"W x 24"L x 18"H), Reinforced Polymer Concrete w/1' Concrete Apron	Ea.	1
904-91.00	Pad, Controller, Concrete 1 ADDED	Ea.	1
~~904-91.56~~	~~Base, Type B-6, Concrete~~	~~Ea.~~	~~2~~
904-91.88	Base, Type D-8PH, Concrete	Ea.	1
~~904-91.90~~	~~Base, Type E-3, Concrete~~	~~Ea.~~	~~1~~
904-93.10	Temporary Signal Installation	Ea.	1
904-95.10	Opening Drilled in Existing Concrete Pull Box 1 ADDED	Ea.	5
~~904-96.16~~	~~Removal of Concrete Base, Type A, B, F (Full Depth, Under 3.0 C.Y.)~~	~~Ea.~~	~~2~~
904-96.20	Removal of Concrete Base	Ea.	1
~~904-97.41~~	~~Removal of Mast Arm~~	~~Ea.~~	~~2~~
904-97.42	Removal of Signal Head	Ea.	4
904-99.24	Intelligent Traffic Systems (ITS)*	Ea.	1

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* THE CAT5 CABLE WILL BE INCLUDED IN THIS ITS PAY ITEM.

PULL BOX SCHEDULE

BOX NUMBER	BOX TYPE			LOCATION		
	CONCRETE	REINFORCED PLASTIC MORTAR	REINFORCED PLASTIC MORTAR W/ CONC. APRON	STATION	OFFSET	SIDE
1	SINGLE (U.I.P.)			49+85.57	23.12'	LT
2	SINGLE (U.I.P.)			49+89.12	22.91'	RT
3			SINGLE (U.I.P.)	46+11.07	23.56'	RT
4			SINGLE (U.I.P.)	53+55.27	24.71'	LT
5	SINGLE			54+10.57	22.95'	LT
6	SINGLE			58+12.53	28.43'	LT
7			(13"W x 24"L x 18"H)	62+41.61	36.84	LT
8	SINGLE (U.I.P.)			62+65.57	38.51'	LT
9	SINGLE (U.I.P.)			62+88.73	49.37'	RT

SIGNAL BASE AND EQUIPMENT SCHEDULE

BASE NO.	CONCRETE BASE TYPE	MAST ARM OR POST TYPE	SIGNAL EQUIPMENT TYPE	STATION	OFFSET	SIDE
(1)	EXISTING (FULL DEPTH REMOVAL)	EXISTING TRAFFIC SIGNAL POLE W/ 18' MAST ARM (T.B.R.)	ALL SIGNAL EQUIP. (T.B.R.)	49+69.99	22.81'	LT
1	B-6	STEEL TRAFFIC SIGNAL POLE W/ 18' MAST ARM	2 - 3B w/ BP (ALL 12"), 1 - APS PUSH BUTTON, 1 - R10-3eL SIGN, 1 - PED COUNTDOWN TIMER	49+69.99	22.81'	LT
(2)	EXISTING (FULL DEPTH REMOVAL)	EXISTING TRAFFIC SIGNAL POLE W/ 18' MAST ARM (T.B.R.)	ALL SIGNAL EQUIP. (T.B.R.)	49+82.30	22.93'	RT
2	B-6	STEEL TRAFFIC SIGNAL POLE W/ 18' MAST ARM	2 - 3B w/ BP (ALL 12"), 1 - APS PUSH BUTTON, 1 - R10-3eL SIGN, 1 - PED COUNTDOWN TIMER	49+82.30	22.93'	RT
(3)	CONCRETE TYPE C (T.B.R.)	———	CONTROLLER POST w/ SQUARE BASE PEDESTAL, (HEIGHT A5 REQ'D) (T.B.R.)	49+90.40	23.34'	LT
3	D-8PH	———	CONTROLLER GROUND MOUNT ALUMINUM CABINET, APPROX. 58"H x 30"W x 17"D	49+79.93	36.12'	LT
4	E-3	———	FIBER OPTIC CABLE TERMINATION HOUSING, IN ALUMINUM CABINET, APPROX. 36"H x 24"W x 22"D	62+53.65	37.68'	LT

INDUCTION LOOP DETECTOR SCHEDULE

LOOP NO.	SIZE AND TYPE OF LOOP		CARD POSITION IN RACK	CHANNEL USED
	STANDARD (3-TURNS)	QUADRAPOLE (2-4-2)		
21	6' X 6'		USE EXISTING	
22	6' X 6'		USE EXISTING	
23	6' X 6'		USE EXISTING	
24	6' X 6'		USE EXISTING	

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Dielman Rd. AR-1554
STP-5627(602)

COUNTY PROJECT NO. AR-1554
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STATE OF MISSOURI
DANIEL T. SHANE
NUMBER E-29833
REGISTERED PROFESSIONAL ENGINEER

DATE: 3/8/2022

HRGreen
DANIEL T. SHANE
PROFESSIONAL ENGINEER
LICENSE NO. 29833

Saint Louis COUNTY
TRANSPORTATION
PUBLIC WORKS

DIELMAN ROAD RESURFACING

SIGNAL QUANTITIES
DIELMAN AT KING PARK
SHEET (2 OF 2)

DESIGNED: E. NKETAH
DRAWN: E. NKETAH
CHECKED: D. SHANE
SHEET SEQUENCE: 47A OF 49

3/8/2022 3:28:21 PM
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