

Steven V. Stenger
County Executive

Saint Louis
COUNTY
TRANSPORTATION
PUBLIC WORKS

Nichalos D. Gardner, Ph.D., P.E.
Director

Stephanie Leon Streeter, P.E.
Deputy Director

January 25, 2016

ADDENDUM NO. 4

Notice to All Persons and Firms Proposing
to Submit a Bid or Furnish Materials for
Shackelford Road Improvements
St. Louis County Project No. AR-1398
Federal Project No. STP-4901(634)

The construction contract for this project has been revised as follows:

No. 1

Replace itemized bid sheets, bid proposal pages 344 – 359 of 368, with the revised itemized bid sheets attached to this addendum.

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



Joseph Kulesa, P.E.
Supervisor, Project Managers

JWK/nms

Attachment: Revised itemized bid sheets and Addendum Acknowledgement (Please sign and return.)

ITEMIZED BID

FEDERAL PROJECT NO. STP-4901(634)
COUNTY PROJECT NO. AR-1398

PAGE 1 OF 16

ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
ROADWAY ITEMS					
201-20.10	Clearing and Grubbing	L.S.	1		
202-20.10	Removal of Improvements	L.S.	1		
202-22.10	Removal of Buildings	EACH	1		
202-22.12	Removal of Building Foundation	EACH	6		
202-22.30	Removal of Rigid Pavement	S.Y.	16952		
203-10.30	Land Disturbance Permits	L.S.	1		
203-50.00	Unclassified Excavation	C.Y.	15653		
203-60.00	Compacting Embankment	C.Y.	416		
207-10.00	Linear Grading, Class 1	STA.	16		
207-20.00	Linear Grading, Class 2	STA.	86.1		
304-05.04	Type 5 Aggregate Base (4" Thick)	S.Y.	25517		
310-30.05	Clean Crushed Stone (2-1/2 Inch)	S.Y.	1489		
404-12.76	Superpave Asphaltic Concrete Mixture SP125 (PG 76-22)CLP	TON	5004.8		

ITEMIZED BID

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
404-30.10	Type "C" Asphaltic Concrete	TON	420.2		
405-30.20	Type "D" Bituminous Concrete (Pavement)	TON	934.7		
405-30.30	Type "X" Bituminous Concrete (Base)	TON	1831.2		
405-50.01	Pervious Asphalt	TON	716.7		
407-10.27	Tack-Emulsified Asphalt (SS-1H)	GAL.	5670		
408-10.15	Prime-Liquid Asphalt (MC30)	GAL.	2220		
412-10.02	Pavement Surfacing and Texturing (0" to 2"), Concrete or Asphalt	S.Y.	15264		
412-10.50	Pavement Surfacing and Texturing (Depth Transition)	S.Y.	616		
502-11.04	Concrete Pavement (4" Non-reinforced)	S.Y.	198.5		
502-11.06	Concrete Pavement (6" Non-reinforced)	S.Y.	2461.4		
502-11.08	Concrete Pavement (8" Non-reinforced)	S.Y.	1922.8		
509-11.06	Concrete Base (6" Non-reinforced)	S.Y.	3643.1		
509-11.07	Concrete Base (7" Non-reinforced)	S.Y.	167.3		
509-11.08	Concrete Base (8" Non-reinforced)	S.Y.	8750.1		

ITEMIZED BID

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
603-10.09	Expose Water Service House Leads (Less than 2")	EACH	4		
603-10.10	Relocating House Water Service Lead	L.F.	51		
603-10.25	Relocating Water Service Meter and Box	EACH	4		
603-10.40	Adjust Water Service Meter Box to Grade	EACH	10		
603-20.70	Adjust Water Service Valve Box to Grade (2" or Greater)	EACH	2		
603-20.81	Adjust Pyramid Box to Grade	EACH	1		
603-20.90	Adjust Water Vault to Grade	EACH	1		
604-12.01	Single Curb Inlet, Untrapped	EACH	38		
604-12.02	Double Curb Inlet, Untrapped	EACH	31		
604-13.30	Detention Pond Outfall Structure	EACH	4		
604-13.40	Observation Well	EACH	8		
604-14.04	Area Inlet, Single, Open 4 Sides, Untrapped	EACH	1		
604-17.00	Cleanout	EACH	1		
604-19.22	2-Grate Inlet, with Side Intake Unit, Untrapped	EACH	2		

ITEMIZED BID

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
604-19.27	Manhole	EACH	15		
604-20.30	Adjusting Manhole to Grade	EACH	41		
604-40.11	Pipe Collar, Type "A" (Concrete)	EACH	19		
605-40.01	Natural Sand	C.Y.	24		
605-50.01	Gravel (3/8 Inch)	C.Y.	23.6		
605-50.03	Gravel (3/4 Inch)	C.Y.	31.2		
608-15.20	Concrete Island (Monolithic)	S.Y.	868.3		
608-40.03	Concrete Median Strip (3' Wide)	L.F.	244		
608-50.06	Paved Approach (6")	S.Y.	956.1		
608-50.07	Paved Approach (7")	S.Y.	700.8		
609-10.10	Concrete Curb, Type "S"	L.F.	2667		
609-10.41	Concrete Gutter, Type "A"	L.F.	10		
609-10.61	Paved Ditch (6" Reinforced)	S.Y.	189.6		
609-20.11	Integral Curb (6" Height and Under)	L.F.	833		

ITEMIZED BID

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
609-20.21	Integral Curb (Over 6" Height)	L.F.	10873		
611-20.95	Grout for Abandoned Sewers	C.Y.	201		
611-30.90	Furnishing and Placing MSD Type 5 Rock Blanket	S.Y.	143		
611-50.30	Heavy Stone Revetment	S.Y.	23		
612-10.20	Moveable Barricades with Model "B" Amber Flashers (2 Each per Barricade)	EACH	31		
612-60.92	Arrow Panel, Type "B" (Noiseless), Rental	EACH	4		
612-70.20	Changeable Message Board (Noiseless), Rental	EACH	4		
613-10.91	Joint Repair - Transverse, Very Early Strength	S.Y.	344		
613-30.01	Partial Depth Pavement Repair, Type X Bituminous (Includes Milling, Concrete or Asphalt)	S.Y.	640.5		
615-10.00	Office for Engineer	MO.	24		
616-10.05	Construction Signs	S.F.	988		
616-10.25	Channelizer (Trim Line)	EACH	511		
616-10.95	Edge Drop-Off Treatment	L.F.	7199		
617-10.90	Temporary Concrete Median Barrier, Type "A" (Includes End Sections)	L.F.	260		

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
617-10.95	Relocate Temporary Traffic Barrier	L.F.	250		
619-00.00	Mobilization	L.S.	1		
621-10.00	Temporary Pavement Striping, Paint (Includes Removal if Necessary)	L.F.	62279		
621-11.00	Temporary Pavement Striping, Tape (Includes Removal)	L.F.	2816		
622-10.00	Temporary Pavement Markings, Paint (Includes Removal if Necessary)	S.F.	2710		
726-23.12	12" Class III Reinforced Concrete Pipe Culvert (Gasket Type)	L.F.	1056		
726-23.15	15" Class III Reinforced Concrete Pipe Culvert (Gasket Type)	L.F.	1559		
726-23.18	18" Class III Reinforced Concrete Pipe Culvert (Gasket Type)	L.F.	328		
726-23.24	24" Class III Reinforced Concrete Pipe Culvert (Gasket Type)	L.F.	314		
726-23.30	30" Class III Reinforced Concrete Pipe Culvert (Gasket Type)	L.F.	26		
726-23.42	42" Class III Reinforced Concrete Pipe Culvert (Gasket Type)	L.F.	364		
726-23.48	48" Class III Reinforced Concrete Pipe Culvert (Gasket Type)	L.F.	57		
726-54.04	4" Polyvinyl Chloride Pipe	L.F.	2558		
732-00.42	42" Flared End Section	EACH	2		

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
732-00.48	48" Flared End Section	EACH	1		
802-60.90	Shredded Hardwood Bark Mulch	C.Y.	7		
803-10.00	Sodding	S.Y.	17949		
805-10.41	Low Marsh Zone Seed Mixture	ACRE	0.2		
805-10.50	Tall MSD Dry Seed Mixture High Marsh Zone Seed Mixture	ACRE	0.5		
805-10.51	Tall MSD Wet Seed Mixture	ACRE	0.2		
806-16.00	Bioretention Media	C.Y.	2051		
806-20.00	Permanent Erosion Control Blanket	S.Y.	4458		
806-35.00	Check Dams	EACH	4		
806-45.00	Inlet Protection	L.S.	1		
806-45.16	Gutter Protection Device, Filter Sock/Gravel Filter Bag	EACH	16		
806-55.00	Storm Water Pollution Prevention Plan (SWPPP)	L.S.	1		
806-70.00	Silt Fence	L.F.	8438		
807-30.01	MSD Type 4 Geotextile	S.Y.	713		

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
808-90.32	Swamp White Oak	EACH	5		
808-90.34	Tillia Americana "Redmond" (Redmond Linden)	EACH	5		
808-90.36	Pinus Resinosa (Red Pine)	EACH	4		
808-90.37	White Pine	EACH	5		
808-90.41	River Birch	EACH	5		
808-90.52	Picea Clauca (Black Hill Spruce)	EACH	6		
808-90.53	Quercus Phellos (Willow Oak)	EACH	5		
840-90.39	Schizachyrium Scoparium (Little Bluestem)	EACH	28		
840-90.42	Carex Muskingumenis (Palm Sedge)	EACH	313		
840-90.43	Carex Vulpinoidea (Fox Sedge)	EACH	700		
840-90.44	Juncus Effusus (Soft Rush)	EACH	20		
840-90.45	Scirpus Atrovirens (Great Green Bullrush)	EACH	36		
840-90.46	Asclepias Incamata (Marsh Milkweed)	EACH	115		
840-90.47	Equisetum Hyemale (Horsetail)	EACH	38		

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
840-90.48	Eupatorium Coelestinum (Mist Flower Wild Ageratum)	EACH	56		
840-90.49	Hibiscus Lasiocarpos(Rose mallow)	EACH	96		
840-90.50	Iris Fulva (Copper Iris)	EACH	60		
840-90.51	Iris Virginiaca (Blueflag Iris)	EACH	309		
840-90.52	Aster Novae-Angliae (New England Aster)	EACH	163		
840-90.53	Mimulus Ringers (Allegheny Monkey Flower)	EACH	6		
840-90.54	Rudbeckia Fulgida (Orange Coneflower)	EACH	76		
840-90.55	Verben Hastata (Blue Vervain)	EACH	83		
840-90.59	Lobilie Cardinals (Cardinal Flower)	EACH	177		
840-90.60	Juncus Effusus (Common Rush)	EACH	260		
840-90.61	Scirpus Pungens (Chairmaker's Rush)	EACH	260		
840-90.62	Scirpus Validus (Great Bulrush)	EACH	260		
840-90.63	Sagittaria Latifolia (Common Arrowhead)	EACH	260		
860-00.10	Modular BMP System Panel (10'x5')	EACH	3		

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
860-00.15	Modular BMP Sysytem Panel (15'x5')	EACH	2		
860-00.25	Modular BMP System Panel (25'x5')	EACH	13		
	SUBTOTAL Roadway Items				
STRUCTURAL ITEMS					
202-10.20	Removal of Bridges	L.S.	1		
206-30.00	Class 4 Excavation	C.Y.	570		
206-40.10	Temporary Earth Retention System	L.S.	1		
206-45.05	Selected Granular Backfill	C.Y.	107		
607-30.55	Galvanized Steel Handrail (Structure)	L.F.	94		
703-20.01	Class "B" Concrete (Culverts)	C.Y.	579.1		
703-40.02	Class "B-1" Concrete (Miscellaneous)	C.Y.	12.8		
703-90.15	Modular Block Wall (h<4')	S.F.	1166		
706-10.00	Reinforcing Steel (Grade 60)	LBS.	97030		
710-60.00	Reinforcing Steel (Epoxy-Coated) (Grade 60)	LBS.	4890		

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
	SUBTOTAL Structural Items				
COUNTY TRAFFIC SIGNAL ITEMS					
904-01.14	Signal Head, Type 4T	EACH	1		
904-02.13	Signal Head, Type 3S	EACH	6		
904-02.14	Signal Head, Type 4S	EACH	1		
904-02.15	Signal Head, Type 5S	EACH	1		
904-02.33	Signal Head, Type 33S	EACH	1		
904-02.34	Signal Head, Type 34S	EACH	5		
904-05.43	Signal Head, Type 3B, Terminal Compartment, and Astro Bracket Mounting	EACH	23		
904-05.44	Signal Head, Type 4B, Terminal Compartment, and Astro Bracket Mounting	EACH	7		
904-05.45	Signal Head, Type 5B Cluster Assembly, Terminal Compartment, and Astro Bracket Mounting	EACH	1		
904-24.01	Signal Head, Type 1S, Pedestrian	EACH	28		
904-27.15	Post, Signal, w/Sq. Pedestal Base, 15' Total Height, Aluminum	EACH	1		
904-28.10	Post, Signal, w/Sq. Pedestal Base and Post Cap, 10' Total Height, Aluminum	EACH	13		

ITEMIZED BID

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
904-29.14	Post, Extension, 4-1/2" O.D. x 14', Aluminum, w/Mounting Hardware and Post Cap	EACH	2		
904-32.12	19' Pole, w/12' Mast Arm, Steel	EACH	1		
904-32.16	19' Pole, w/16' Mast Arm, Steel	EACH	4		
904-32.24	19' Pole, w/24' Mast Arm, Steel	EACH	2		
904-32.32	19' Pole, w/32' Mast Arm, Steel	EACH	2		
904-32.36	19' Pole, w/36' Mast Arm, Steel	EACH	2		
904-32.38	19' Pole, w/38' Mast Arm, Steel	EACH	2		
904-32.40	19' Pole, w/40' Mast Arm, Steel	EACH	1		
904-32.44	19' Pole, w/44' Mast Arm, Steel	EACH	1		
904-43.88	Controller, Fully Actuated, (8 Phase Timer, in Aluminum Cabinet Approx. 55"H x 44"W x 26"D, Wired for 8 Phase Operation) w/Internal Fiber Optic Modem and Termination Housing, TS2, Type 2, w/Battery Backup	EACH	4		
904-49.20	Detector, Pedestrian Push Button, Freezeproof	EACH	28		
904-49.35	Detector, Vehicle Induction Loop, Card Rack Mtg., 2 Channel, w/Delay and Extension Timing and Relay Outputs	EACH	23		
904-49.51	Pan Tilt Zoom (PTZ) Internet Protocol Video Surveillance Camera System (Camera w/Bracket, Managed Ethernet Switch, and Misc. Cables)	EACH	2		

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
904-49.52	Software License, PTZ Camera	EACH	2		
904-51.00	Conduit, 1"	L.F.	461		
904-51.25	Conduit, 1-1/4"	L.F.	60		
904-51.50	Conduit, 1-1/2"	L.F.	116		
904-52.00	Conduit, 2"	L.F.	5861		
904-54.00	Conduit, 4"	L.F.	1415		
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		
904-82.06	Cable, Power, #6 Gauge, 1 Conductor	L.F.	1390		
904-83.05	Cable, Signal, #14 Gauge, 5 Conductor	L.F.	4860		
904-83.07	Cable, Signal, #14 Gauge, 7 Conductor	L.F.	10510		
904-84.00	Wire, Stranded Ground, #6 Gauge	L.F.	600		
904-85.05	Cable, Detector Loop, #14 Gauge, 1 Conductor, w/Tube Jacket (In Conduit and Pull Boxes)	L.F.	1360		
904-85.06	Cable, Detector Loop, #14 Gauge, 1 Conductor, w/Tube Jacket (In Sawed Slot)	L.F.	14910		
904-85.18	Cable, Push Button and/or Detector Loop Lead-In, #18 Gauge, 2 Conductor (Shielded)	L.F.	13260		

ITEMIZED BID

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
904-85.36	Cable, Communication, Fiber Optic, 36 Fibers (30 Single-Mode and 6 Multi-Mode)	L.F.	6210		
904-85.81	Cable, Communication, Power, PTZ Camera, #24 Gauge, 4 Pair (Shielded)	L.F.	280		
904-86.01	Power Supply Assembly, on Wood Utility Pole, 120/240 Volt	EACH	4		
904-87.35	Pole, 35' Wood, Class II	EACH	1		
904-88.01	Pull Box, Single, Concrete	EACH	12		
904-88.02	Pull Box, Double, Concrete	EACH	7		
904-89.17	Preformed Pull Box (17"W x 30"L x 26"min.H), Reinforced Polymer Concrete	EACH	17		
904-90.17	Preformed Pull Box (17"W x 30"L x 26"min.H), Reinforced Polymer Concrete w/1' Concrete Apron	EACH	1		
904-91.00	Pad, Controller, Concrete	EACH	1		
904-91.56	Base, Type B-6, Concrete	EACH	7		
904-91.57	Base, Type B-7, Concrete	EACH	4		
904-91.59	Base, Type B-9, Concrete	EACH	4		
904-91.73	Base, Type C-3, Concrete	EACH	14		
904-91.88	Base, Type D-8PH, Concrete	EACH	4		

ITEMIZED BID

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
904-93.10	Temporary Signal Installation	EACH	3		
904-93.20	Temporary Traffic Detection System	EACH	3		
904-97.20	Removal of Signal Equipment (Intersection)	EACH	3		
904-97.33	Removal of Existing Controller Cabinet	EACH	2		
904-97.41	Removal of Mast Arm	EACH	4		
904-97.43	Removal of Power Supply Assembly	EACH	2		
904-98.81	Relocation of Existing Interconnect Cable	L.F.	3590		
904-99.09	Fiber-Optic Termination	EACH	6		
904-99.10	Fiber-Optic Fusion Splice	EACH	6		
	SUBTOTAL County Traffic Signal Items				
PEDESTRIAN AND BICYCLE ITEMS					
604-19.92	Sidewalk Bridge And Flume	S.Y.	42		
607-30.20	Aluminum Handrail	L.F.	88		
608-60.00	Concrete Sidewalk	S.Y.	9089.4		

ITEMIZED BID

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ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT
608-60.14	Temporary Concrete Sidewalk (4" Thick, Includes Removal)	S.Y.	111		
608-60.98	Truncated Domes for Curb Ramps (New Construction)	S.F.	1129		
608-70.00	Concrete Steps	S.F.	199		
	SUBTOTAL Pedestrian and Bicycle Items				
	PROJECT TOTAL				

 Addendum No. 4

January 25, 2016

ADDENDUM ACKNOWLEDGEMENT

ADDENDUM NO. 4

FROM: St. Louis County Department of Transportation

RE: Shackelford Road Improvements
St. Louis County Project No. AR-1398
Federal Project No. STP-4901(634)

**PACKAGE INCLUDES THIS ACKNOWLEDGEMENT,
ADDENDUM NOTICE, AND REVISED ITEMIZED BID
SHEETS.**

(18 pages total)

IF YOU DID NOT RECEIVE ALL PAGES, CALL (314) 615-8543.

**UPON RECEIPT OF THIS PACKAGE, PLEASE SIGN AND
DATE (IN THE INDICATED LOCATIONS BELOW), AND FAX
THIS ACKNOWLEDGEMENT TO THE DEPARTMENT OF
TRANSPORTATION AT (314) 615-8194 (Attn: Joe Kulesa,
DESIGN DIVISION) TO VERIFY RECEIPT**

COMPANY _____

RECEIVED BY _____

DATE _____