



THE STATE OF NEW HAMPSHIRE  
DEPARTMENT OF TRANSPORTATION



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WILLIAM CASS, P.E.  
ASSISTANT COMMISSIONER

Bureau of Construction  
August 17, 2015

Her Excellency, Governor Margaret Wood Hassan  
and the Honorable Council  
State House  
Concord, New Hampshire 03301

**REQUESTED ACTION**

1. Authorize the Department of Transportation to enter into a contract with The Gorman Group, LLC (Vendor 167885) of Albany, NY on the basis of a low bid of \$2,228,185.91 for resurfacing in the area of the confluence of I-93 & NH 101 in the City of Manchester, from the date of Governor and Council approval through July 29, 2016 unless extended by the Department in accordance with the Standard Specifications. 100% Federal Funds.

Funds to support this request are anticipated to be available in the following accounts in State FY 2016 upon the availability and continued appropriation of funds in the future operating budget, with the ability to adjust encumbrances between State Fiscal Years through the Budget Office, if needed and justified:

Funding is available as follows:	<u>FY 2016</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$2,228,185.91

2. Further authorize that a contingency in the amount of \$155,973.02 be approved for payment of latent conditions, which may appear during the construction of the project. The contingency requested is 7% of the contract amount.

Funding is available as follows:	<u>FY 2016</u>
04-96-96-963515-3054	
Consolidated Federal Aid	
400-500870 Highway Contract Payments	\$155,973.02

**EXPLANATION**

This project is part of the annual Interstate Maintenance & Pavement Preservation Program. A travelway inlay and full width overlay was constructed along this project in 2008. The pavement is showing reflective cracking coming through the existing pavement surface. Work involves the placement of new advanced asphalt rubber pavement course along with crack sealing to help seal the cracks and provide a surface that will be more durable and longer lasting than conventional pavement. This work is being accomplished under Federal Highway's Accelerated Innovation Deployment (AID) grant program to implement deployment of innovation pavement technologies. In addition, the work includes ramp widening at the Exit 6 northbound off ramp, which will improve safety by reducing weaving of traffic from I-293 to Exit 6 by one lane.

The contingency amount is proposed to be 7% of the contract amount and is necessary to cover the potential of cost overruns that could come from fluctuating fuel and asphalt prices.

Although the bid costs exceeded the Department's estimate, the low bid is felt to be reasonable for the work involved. In summary, this is the second time the project has been put out for bid with both bid prices coming in slightly higher than estimated. The industry has limited capacity to perform this type of work on the schedule dictated as three bids were received in response to the first bid opening and two were received during the second bid opening. The project involves specialty type of work that utilizes Accelerated Innovation Deployment (AID) grant funds, includes extraordinary maintenance of traffic issues, and due to the tight schedule resulted in higher than anticipated costs. Re-advertising this project would result, in our opinion, in higher prices and prevent the completion of the work in a timely manner. The Department considers it to be in the best interest of the State to accept this bid to accomplish these needed repairs.

The Contractor has been prequalified by this Department. The Contract has been approved by the Attorney General as to form and execution, and the Department has certified that the necessary funds are available and that the bid reasonably conforms to the engineer's estimate in accordance with State procedure. Copies of the fully executed contract are on file at the Secretary of State's Office and the Department of Administrative Service's Office, and subsequent to Governor and Council approval will be on file at the Department of Transportation.

This project funding is 90% federal funds with 10% state match. Turnpike toll credits are being utilized for match requirements, effectively using 100% federal funds.

A copy of the Tabulation of Bids received for this project is attached along with the Contract Supplemental Sheet and a map indicating the location of the project.

Sincerely,



William J. Cass, P.E.  
Assistant Commissioner

WJC/md

Department Estimate: \$1,922,544.90  
Contract Amount: \$2,228,185.91  
Over Estimate: \$ 305,641.01

Attachments

MANCHESTER

X-A004(303)

29780

June 30, 2015

## SUPPLEMENTAL PROJECT INFORMATION SHEET

**DESCRIPTION:** This project is the resurfacing of the confluence of I-93 & NH 101 in the city of Manchester. The paving treatment shall be to crack seal the roadway full width and then overlay the travelway with asphalt rubber bonded wearing course. The limit begins northbound at mile marker 19.0 and proceeds north to mile marker 21.0, and begins southbound at mile marker 19.3 and proceeds south to mile marker 21.0, approximately 1.9 miles in length overall.

The Exit 6 northbound off ramp will be step-box widened to two lanes. This project also includes replacement of plug joints on the I-93/NH 101 bridges located within the project limits. This includes the bridges over the northbound I-93 ramp from I-293, and the northbound and southbound bridges over Candia Rd. and Hanover St.

**FEDERAL FUNDING:** This project has special grant for \$895,892 at 100% Federal Funds. The remaining costs will be covered by the IMPPP program at 90% Federal Funding with 10% State Match (utilizing Turnpike Toll Credits) and BRPPI Bridge Funding at 80% Federal Funding.

**CONTINGENCY:** Further authorize that a contingency of 7% of the contract amount be approved. Cost overruns could come from fluctuating fuel and asphalt prices.

**PROJECT INITIATED:** State's 10-Year Transportation Improvement Program under the "parent" project Statewide IMPPP (3927) (Interstate Maintenance & Interstate Pavement Preservation Program).

**PROJECT EXPLANATION:** A travelway inlay and full width overlay was constructed along this project in 2008. The pavement is showing reflective cracking coming through. The asphalt rubber pavement course along with the crack sealing should help seal the cracks and provide a surface that will "give" more than conventional pavement under thermal and loading forces. The restriction of silt and salt through cracks to the base material should help extend the pavement structure life. The ramp widening at Exit 6 northbound off ramp should improve safety by reducing weaving of traffic from I-293 to Exit 6 by one lane.

**TRAFFIC IMPLICATIONS:** The contract states that a traffic control plan will be provided by the Contractor and reviewed by the Department. The contractor traffic control plan (CTCP) shall be designed and implemented by a NH licensed PE or ATSSA Certified TCS/TCD. Said person is also required to be on site, full time, to monitor the CTCP. Guidance provided for the design of the CTCP includes lane use restrictions for vehicles/hour/lane under different scenarios of lane reductions, for example: 2 to 1 lane, 3 to 2 lanes, or 3 to 1 lane. The Contractor is provided with hourly traffic counts for guidance.

(I-93/NH 101 mainline work will likely take place at night, although not a requirement in the Contract. Ramps at Exit 6 may be intermittently closed at night during paving of the acceleration and deceleration lanes and the widening of the northbound off ramp.)

**INTERMEDIATE COMPLETION DATE:** The Completion Date for crack sealing and ramp widening, including interim layout of pavement markings and signing for the ramp widening is Friday, October 2, 2015. The completion date for paving the bonded wearing course is Wednesday, June 29, 2016.

**FINAL COMPLETION DATE:** Friday, July 29, 2016

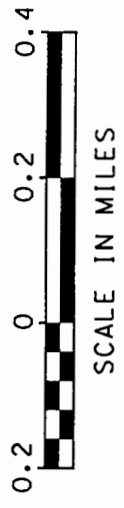
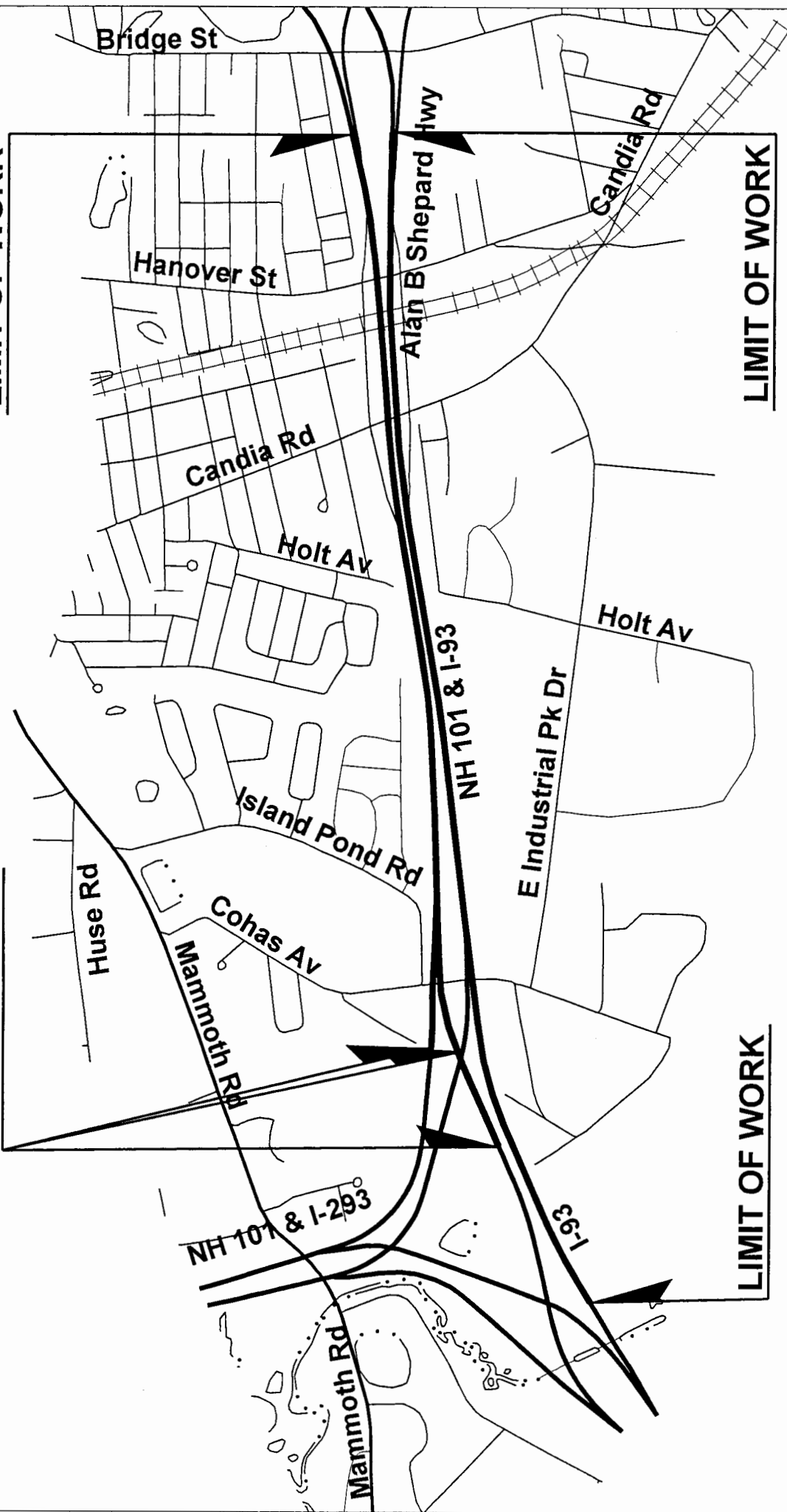


**LIMIT OF WORK**

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**LIMIT OF WORK**

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**MANCHESTER 29780**

**State of New Hampshire  
Department of Transportation**

**Project:** MANCHESTER X-A004(303)  
29780

**County and Code:** HILLSBOROUGH COUNTY 011

**Date Bids Open:** July 23, 2015

**Scope of Work:** ROADWAY RESURFACING  
THIS PROJECT IS A RE BID

**Location:** AT THE CONFLUENCE OF I-93 & NH 101

**Completion Date:** July 29, 2016

A THE GORMAN GROUP LLC  
200 CHURCH STREET ALBANY NY 12202

\$2,228,185.91

B PIKE INDUSTRIES, INC.  
3 EASTGATE PARK RD BELMONT, NH 03220

\$2,297,536.03

Item No:	Description	Unit	Quantity	A		B	
				Unit Price	Total	Unit Price	Total
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	1.00	\$500.00	\$500.00	\$1,500.00	\$1,500.00
202.6	CURB REMOVAL FOR STORAGE	LF	715.00	\$5.20	\$3,718.00	\$5.25	\$3,753.75
202.7	REMOVAL OF GUARDRAIL	LF	675.00	\$1.25	\$843.75	\$1.50	\$1,012.50
203.1	COMMON EXCAVATION	CY	1,575.00	\$16.00	\$25,200.00	\$15.50	\$24,412.50
206.1	COMMON STRUCTURE EXCAVATION	CY	10.00	\$120.00	\$1,200.00	\$29.50	\$295.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	25.00	\$120.00	\$3,000.00	\$32.50	\$812.50
214	FINE GRADING	U	1.00	\$23,550.00	\$23,550.00	\$26,000.00	\$26,000.00
304.101	SAND	CY	390.00	\$36.00	\$14,040.00	\$36.00	\$14,040.00
304.201	GRAVEL	CY	360.00	\$47.00	\$16,920.00	\$32.00	\$11,520.00
304.301	CRUSHED GRAVEL	CY	340.00	\$47.00	\$15,980.00	\$38.00	\$12,920.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	460.00	\$117.00	\$53,820.00	\$118.00	\$54,280.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	50.00	\$135.00	\$6,750.00	\$200.00	\$10,000.00
403.6	PAVEMENT JOINT ADHESIVE	LF	5,500.00	\$1.10	\$6,050.00	\$0.24	\$1,320.00
413.6	CRACK FILL PRIOR TO THIN LIFT OVERLAY	LB	36,000.00	\$1.10	\$39,600.00	\$2.45	\$88,200.00
417	COLD PLANING BITUMINOUS SURFACES	SY	15,119.00	\$5.45	\$82,398.55	\$6.60	\$99,785.40
417.118	COLD PLANING BITUMINOUS SURFACES, 18" WIDE X 0.5" DEEP	LF	44,000.00	\$0.85	\$37,400.00	\$1.30	\$57,200.00
419.2	AR BONDED-WEARING COURSE (BWC), TYPE C	TON	6,300.00	\$148.00	\$932,400.00	\$150.00	\$945,000.00
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	818.30	\$135.00	\$110,470.50	\$135.00	\$110,470.50
603.80015	15" PLASTIC PIPE	LF	30.00	\$130.00	\$3,900.00	\$141.00	\$4,230.00
604.0007	POLYETHYLENE LINER	EA	5.00	\$365.00	\$1,825.00	\$160.00	\$800.00

Item No:	Description	Unit	Quantity	A			B		
				Unit Price	Total	Unit Price	Total	Unit Price	Total
604.16	CATCH BASINS TYPE F, 4-FOOT DIAMETER	U	1.00	\$4,725.00	\$4,725.00	\$2,930.00	\$2,930.00	\$2,930.00	\$2,930.00
604.22	DROP INLETS TYPE B	U	2.00	\$3,675.00	\$7,350.00	\$2,320.00	\$4,640.00	\$4,640.00	\$4,640.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	2.00	\$1,500.00	\$3,000.00	\$600.00	\$1,200.00	\$1,200.00	\$1,200.00
604.62	DRAINAGE MANHOLE COVERS AND FRAMES	EA	2.00	\$840.00	\$1,680.00	\$400.00	\$800.00	\$800.00	\$800.00
605.515	15" PERF. CORR. POLYETHYLENE PIPE UND.	LF	27.00	\$180.00	\$4,860.00	\$37.00	\$999.00	\$999.00	\$999.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$600.00	\$600.00	\$650.00	\$650.00	\$650.00	\$650.00
606.1296	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2) (STEEL POST)	LF	189.50	\$28.00	\$5,306.00	\$30.00	\$5,685.00	\$5,685.00	\$5,685.00
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	525.00	\$19.00	\$9,975.00	\$18.00	\$9,450.00	\$9,450.00	\$9,450.00
608.28	8" CONCRETE SIDEWALK (F)	SY	30.00	\$232.00	\$6,960.00	\$55.00	\$1,650.00	\$1,650.00	\$1,650.00
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	130.00	\$19.00	\$2,470.00	\$15.00	\$1,950.00	\$1,950.00	\$1,950.00
609.5	RESET GRANITE CURB	LF	1,250.00	\$12.00	\$15,000.00	\$18.00	\$22,500.00	\$22,500.00	\$22,500.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	515.00	\$11.00	\$5,665.00	\$10.00	\$5,150.00	\$5,150.00	\$5,150.00
614.331	3" STEEL CONDUIT	LF	10.00	\$35.00	\$350.00	\$42.00	\$420.00	\$420.00	\$420.00
614.511	CONCRETE PULL BOX 14"	EA	2.00	\$650.00	\$1,300.00	\$530.00	\$1,060.00	\$1,060.00	\$1,060.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	80.00	\$35.00	\$2,800.00	\$34.00	\$2,720.00	\$2,720.00	\$2,720.00
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	1.00	\$200.00	\$200.00	\$1,200.00	\$1,200.00	\$1,200.00	\$1,200.00
615.05	TRAFFIC SIGN TYPE BB (F)	SF	29.37	\$13.00	\$381.81	\$82.50	\$2,423.03	\$2,423.03	\$2,423.03
615.064	RELOCATING TRAFFIC SIGN TYPE CC	U	2.00	\$200.00	\$400.00	\$160.00	\$320.00	\$320.00	\$320.00

Item No:	Description	Unit	Quantity	A			B		
				Unit Price	Total	Unit Price	Total	Unit Price	Total
616.606	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 6 FT	EA	3.00	\$630.00	\$1,890.00	\$525.00	\$1,575.00		
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00		
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$296,000.00	\$296,000.00	\$180,000.00	\$180,000.00		
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$2,360.00	\$9,440.00	\$4,000.00	\$16,000.00		
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	8.00	\$180.00	\$1,440.00	\$175.00	\$1,400.00		
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$1,200.00	\$4,800.00	\$4,000.00	\$16,000.00		
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	7.00	\$6.00	\$42.00	\$5.25	\$36.75		
625.2	CONCRETE LIGHT POLE BASES, TYPE B	EA	1.00	\$1,500.00	\$1,500.00	\$1,750.00	\$1,750.00		
628.2	SAWED BITUMINOUS PAVEMENT	LF	2,750.00	\$1.25	\$3,437.50	\$1.05	\$2,887.50		
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	47,000.00	\$0.16	\$7,520.00	\$0.15	\$7,050.00		
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	550.00	\$0.26	\$143.00	\$0.26	\$143.00		
632.0112	RETROREFLECTIVE PAINT PAVE. MARKING, 12" LINE	LF	1,650.00	\$0.37	\$610.50	\$0.35	\$577.50		
632.0124	RETROREFLECTIVE PAINT PAVE. MARKING, 24" LINE	LF	550.00	\$2.10	\$1,155.00	\$2.10	\$1,155.00		
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	21,600.00	\$1.75	\$37,800.00	\$0.70	\$15,120.00		
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	36.00	\$6.30	\$226.80	\$6.10	\$219.60		



Item No:	Description	Unit	Quantity	A		B	
				Unit Price	Total	Unit Price	Total
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	95.00	\$10.50	\$997.50	\$11.00	\$1,045.00
632.71206	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 6" LINE	LF	64,000.00	\$1.65	\$105,600.00	\$1.75	\$112,000.00
632.71212	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 12" LINE	LF	14,250.00	\$3.20	\$45,600.00	\$3.10	\$44,175.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	29,000.00	\$0.45	\$13,050.00	\$0.42	\$12,180.00
632.912	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE	LF	550.00	\$1.10	\$605.00	\$1.10	\$605.00
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	1,900.00	\$1.20	\$2,280.00	\$0.80	\$1,520.00
647.1	HUMUS	CY	190.00	\$50.00	\$9,500.00	\$25.25	\$4,797.50
692	MOBILIZATION	U	1.00	\$137,960.00	\$137,960.00	\$250,000.00	\$250,000.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00
					\$2,228,185.91		\$2,297,536.03

# A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	A-Bidder		PS&E		A-PS&E Difference	
			Quantity	Unit Price	Total	Unit Price		Total
202.5	REMOVAL OF CATCH BASINS, DROP INLETS, AND MANHOLES	EA	1.00	\$500.00	\$500.00	\$500.00	\$500.00	\$0.00
202.6	CURB REMOVAL FOR STORAGE	LF	715.00	\$5.20	\$3,718.00	\$4.00	\$2,860.00	\$858.00
202.7	REMOVAL OF GUARDRAIL	LF	675.00	\$1.25	\$843.75	\$2.00	\$1,350.00	(\$506.25)
203.1	COMMON EXCAVATION	CY	1,575.00	\$16.00	\$25,200.00	\$15.00	\$23,625.00	\$1,575.00
206.1	COMMON STRUCTURE EXCAVATION	CY	10.00	\$120.00	\$1,200.00	\$40.00	\$400.00	\$800.00
206.19	COMMON STRUCTURE EXCAVATION EXPLORATORY	CY	25.00	\$120.00	\$3,000.00	\$60.00	\$1,500.00	\$1,500.00
214	FINE GRADING	U	1.00	\$23,550.00	\$23,550.00	\$6,000.00	\$6,000.00	\$17,550.00
304.101	SAND	CY	390.00	\$36.00	\$14,040.00	\$16.00	\$6,240.00	\$7,800.00
304.201	GRAVEL	CY	360.00	\$47.00	\$16,920.00	\$24.00	\$8,640.00	\$8,280.00
304.301	CRUSHED GRAVEL	CY	340.00	\$47.00	\$15,980.00	\$28.00	\$9,520.00	\$6,460.00
403.11	HOT BITUMINOUS PAVEMENT, MACHINE METHOD	TON	460.00	\$117.00	\$53,820.00	\$105.00	\$48,300.00	\$5,520.00
403.12	HOT BITUMINOUS PAVEMENT, HAND METHOD	TON	50.00	\$135.00	\$6,750.00	\$140.00	\$7,000.00	(\$250.00)
403.6	PAVEMENT JOINT ADHESIVE	LF	5,500.00	\$1.10	\$6,050.00	\$0.60	\$3,300.00	\$2,750.00
413.6	CRACK FILL PRIOR TO THIN LIFT OVERLAY	LB	36,000.00	\$1.10	\$39,600.00	\$3.00	\$108,000.00	(\$68,400.00)
417	COLD PLANING BITUMINOUS SURFACES	SY	15,119.00	\$5.45	\$82,398.55	\$2.50	\$37,797.50	\$44,601.05
417.118	COLD PLANING BITUMINOUS SURFACES, 18" WIDE X 0.5" DEEP	LF	44,000.00	\$0.85	\$37,400.00	\$1.00	\$44,000.00	(\$6,600.00)
419.2	AR BONDED WEARING COURSE (BWC), TYPE C	TON	6,300.00	\$148.00	\$932,400.00	\$153.00	\$963,900.00	(\$31,500.00)
559.41	ASPHALTIC PLUG FOR CRACK CONTROL (F)	LF	818.30	\$135.00	\$110,470.50	\$100.00	\$81,830.00	\$28,640.50
603.80015	15" PLASTIC PIPE	LF	30.00	\$130.00	\$3,900.00	\$50.00	\$1,500.00	\$2,400.00

## A - PS&amp;E Comparison

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
604.0007	POLYETHYLENE LINER	EA	5.00	\$365.00	\$1,825.00	\$150.00	\$750.00	\$1,075.00
604.16	CATCH BASINS TYPE F, 4-FOOT DIAMETER	U	1.00	\$4,725.00	\$4,725.00	\$3,000.00	\$3,000.00	\$1,725.00
604.22	DROP INLETS TYPE B	U	2.00	\$3,675.00	\$7,350.00	\$2,500.00	\$5,000.00	\$2,350.00
604.4	RECONSTRUCTING/ADJUSTING CATCH BASIN & DROP INLET	LF	2.00	\$1,500.00	\$3,000.00	\$500.00	\$1,000.00	\$2,000.00
604.62	DRAINAGE MANHOLE COVERS AND FRAMES	EA	2.00	\$840.00	\$1,680.00	\$600.00	\$1,200.00	\$480.00
605.515	15" PERF. CORR. POLYETHYLENE PIPE UND.	LF	27.00	\$180.00	\$4,860.00	\$50.00	\$1,350.00	\$3,510.00
606.127	BEAM GUARDRAIL (TERMINAL UNIT TYPE G-2) (STEEL POST)	U	1.00	\$600.00	\$600.00	\$550.00	\$550.00	\$50.00
606.1296	BEAM GUARDRAIL (TERMINAL UNIT TYPE E-2) (STEEL POST)	LF	189.50	\$28.00	\$5,306.00	\$30.00	\$5,685.00	(\$379.00)
606.18001	31" W-BEAM GUARDRAIL WITH 8" OFFSET BLOCK (STEEL POST)	LF	525.00	\$19.00	\$9,975.00	\$17.00	\$8,925.00	\$1,050.00
608.28	8" CONCRETE SIDEWALK (F)	SY	30.00	\$232.00	\$6,960.00	\$45.00	\$1,350.00	\$5,610.00
609.214	STRAIGHT GRANITE SLOPE CURB, 4" HIGH	LF	130.00	\$19.00	\$2,470.00	\$18.00	\$2,340.00	\$130.00
609.5	RESET GRANITE CURB	LF	1,250.00	\$12.00	\$15,000.00	\$7.60	\$9,500.00	\$5,500.00
609.811	BITUMINOUS CURB, TYPE B (4" REVEAL)	LF	515.00	\$11.00	\$5,665.00	\$7.00	\$3,605.00	\$2,060.00
614.331	3" STEEL CONDUIT	LF	10.00	\$35.00	\$350.00	\$30.00	\$300.00	\$50.00
614.511	CONCRETE PULL BOX 14"	EA	2.00	\$650.00	\$1,300.00	\$350.00	\$700.00	\$600.00
614.73114	3" PVC CONDUIT, SCHEDULE 40	LF	80.00	\$35.00	\$2,800.00	\$15.00	\$1,200.00	\$1,600.00
615.024	RELOCATING TRAFFIC SIGN TYPE B	U	1.00	\$200.00	\$200.00	\$800.00	\$800.00	(\$600.00)
615.05	TRAFFIC SIGN TYPE BB (F)	SF	29.37	\$13.00	\$381.81	\$20.00	\$587.40	(\$205.59)
615.064	RELOCATING TRAFFIC SIGN TYPE CC	U	2.00	\$200.00	\$400.00	\$150.00	\$300.00	\$100.00

# A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	A-Bidder		PS&E		A-PS&E Difference	
			Quantity	Unit Price	Total	Unit Price		Total
616.606	TRAFFIC SIGNAL DETECTOR LOOP 6 FT X 6 FT	EA	3.00	\$630.00	\$1,890.00	\$500.00	\$1,500.00	\$390.00
618.61	UNIFORMED OFFICERS WITH VEHICLE	\$	50,000.00	\$1.00	\$50,000.00	\$1.00	\$50,000.00	\$0.00
619.1	MAINTENANCE OF TRAFFIC	U	1.00	\$296,000.00	\$296,000.00	\$110,000.00	\$110,000.00	\$186,000.00
619.25	PORTABLE CHANGEABLE MESSAGE SIGN	U	4.00	\$2,360.00	\$9,440.00	\$4,000.00	\$16,000.00	(\$6,560.00)
619.253	PORTABLE CHANGEABLE MESSAGE SIGN (UNIT WEEK)	UWK	8.00	\$180.00	\$1,440.00	\$250.00	\$2,000.00	(\$560.00)
619.279	AUTOMATED TRAILER-MOUNTED SPEED LIMIT SIGN	U	4.00	\$1,200.00	\$4,800.00	\$3,250.00	\$13,000.00	(\$8,200.00)
621.2	RETROREFLECTIVE BEAM GUARDRAIL DELINEATOR	EA	7.00	\$6.00	\$42.00	\$5.00	\$35.00	\$7.00
625.2	CONCRETE LIGHT POLE BASES, TYPE B	EA	1.00	\$1,500.00	\$1,500.00	\$1,500.00	\$1,500.00	\$0.00
628.2	SAWED BITUMINOUS PAVEMENT	LF	2,750.00	\$1.25	\$3,437.50	\$1.50	\$4,125.00	(\$687.50)
632.0104	RETROREFLECTIVE PAINT PAVE. MARKING, 4" LINE	LF	47,000.00	\$0.16	\$7,520.00	\$0.16	\$7,520.00	\$0.00
632.0106	RETROREFLECTIVE PAINT PAVE. MARKING, 6" LINE	LF	550.00	\$0.26	\$143.00	\$0.30	\$165.00	(\$22.00)
632.0112	RETROREFLECTIVE PAINT PAVE. MARKING, 12" LINE	LF	1,650.00	\$0.37	\$610.50	\$0.30	\$495.00	\$115.50
632.0124	RETROREFLECTIVE PAINT PAVE. MARKING, 24" LINE	LF	550.00	\$2.10	\$1,155.00	\$4.00	\$2,200.00	(\$1,045.00)
632.1104	PREFORMED RETROREFLECTIVE TAPE, TYPE I (REMOVABLE) 4" LINE	LF	21,600.00	\$1.75	\$37,800.00	\$1.25	\$27,000.00	\$10,800.00
632.3118	RETROREFLECT. THERMOPLAS. PAVE. MARKING, 18" LINE	LF	36.00	\$6.30	\$226.80	\$7.50	\$270.00	(\$43.20)

# A - PS&E Comparison

PS&E = NHDOT Cost Estimate

Item No:	Description	Unit	Quantity	A-Bidder		PS&E		A-PS&E Difference
				Unit Price	Total	Unit Price	Total	
632.32	RETROREFLECT. THERMOPLAS. PAVEMENT MARKING, SYMBOL OR WORD	SF	95.00	\$10.50	\$997.50	\$9.00	\$855.00	\$142.50
632.71206	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 6" LINE	LF	64,000.00	\$1.65	\$105,600.00	\$0.95	\$60,800.00	\$44,800.00
632.71212	GROOVED RETROREFLECTIVE POLYUREA PAVEMENT MARKING, 12" LINE	LF	14,250.00	\$3.20	\$45,600.00	\$2.20	\$31,350.00	\$14,250.00
632.911	OBLITERATE PAVE. MARKING LINE, 12" WIDE & UNDER	LF	29,000.00	\$0.45	\$13,050.00	\$0.45	\$13,050.00	\$0.00
632.912	OBLITERATE PAVE. MARKING LINE, OVER 12" WIDE	LF	550.00	\$1.10	\$605.00	\$2.00	\$1,100.00	(\$495.00)
646.31	TURF ESTABLISHMENT WITH MULCH AND TACKIFIERS	SY	1,900.00	\$1.20	\$2,280.00	\$0.75	\$1,425.00	\$855.00
647.1	HUMUS	CY	190.00	\$50.00	\$9,500.00	\$25.00	\$4,750.00	\$4,750.00
692	MOBILIZATION	U	1.00	\$137,960.00	\$137,960.00	\$125,000.00	\$125,000.00	\$12,960.00
699	MISCELLANEOUS TEMPORARY EROSION AND SEDIMENT CONTROL	\$	4,000.00	\$1.00	\$4,000.00	\$1.00	\$4,000.00	\$0.00
1002.1	REPAIRS OR REPLACEMENTS AS NEEDED - BRIDGE STRUCTURES	\$	5,000.00	\$1.00	\$5,000.00	\$1.00	\$5,000.00	\$0.00
1010.15	FUEL ADJUSTMENT	\$	20,000.00	\$1.00	\$20,000.00	\$1.00	\$20,000.00	\$0.00
1010.2	ASPHALT CEMENT ADJUSTMENT	\$	15,000.00	\$1.00	\$15,000.00	\$1.00	\$15,000.00	\$0.00
					\$2,228,185.91		\$1,922,544.90	\$305,641.01





# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)  
8/26/2015

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

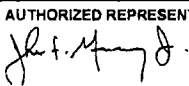
<b>PRODUCER</b> Rose & Kiernan, Inc. 99 Troy Road East Greenbush, NY 12061	<b>CONTACT NAME:</b> PHONE (A/C, No, Ext): (518) 244-4245      FAX (A/C, No): (518) 244-4262 E-MAIL ADDRESS:	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
<b>INSURED</b> New Hampshire Department of Transportation John O Morton Bldg. 7 Hazen Drive PO Box 483 Concord, NH 03302	<b>INSURER A:</b> Liberty Insurance Corporation      NAIC # 42404	
	<b>INSURER B:</b>	
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES**      **CERTIFICATE NUMBER:**      **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> OCCUR <input checked="" type="checkbox"/> <b>Owner's &amp; Contractor</b>  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			TF2Z11261002395	08/21/2015	08/21/2016	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ MED EXP (Any one person) \$ PERSONAL & ADV INJURY \$ GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMPOP AGG \$ \$
	<b>AUTOMOBILE LIABILITY</b> <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	<b>UMBRELLA LIAB</b> <input type="checkbox"/> OCCUR <b>EXCESS LIAB</b> <input type="checkbox"/> CLAIMS-MADE DED    RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE    OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
 Project: Manchester X-A004 (303), 2978  
 Designated Contractor: The Gorman Group LLC, 200 Church Street, Albany, NY 12202

<b>CERTIFICATE HOLDER</b>  New Hampshire Department of Transportation John O Morton Bldg. 7 Hazen Drive PO Box 483 Concord, NH 03302	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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