



Department of Public Works

David A. Jones, P.E.
Director



March 10, 2016

Lisbon Street Resurfacing and Downtown Intersection Improvements

Bid No. 2016-012

Bid Date: 3/22/16

ADDENDUM NO 1

Please make the following changes to the Specifications:

1. *ADD THE attached Pre-Bid Meeting Minutes*
2. Replace the proposal and contract with the attached revised Proposal and Contract
3. Replace Special Provision 608 Colored Concrete Sidewalks with the attached Special provision 608.

END

Lisbon Street Resurfacing and Downtown Intersection Improvements
BID 2016-012
Mandatory Pre-Bid Meeting
Time & Location: Lewiston Public Works, 10:00 AM

Name	Title	Company	Tel.	FAX	E-Mail
Ryan Barnes	Project Engineer	Lewiston	513-3003	784-5647	rbarnes@lewistonmaine.gov
Jeff McCorkle	Project Engineer	Pike Industries	577-4787		jmccorkle@pikeindustries.com
Larry Morin	Estimator	Pike Industries	756-9328		lmorin@pikeindustries.com
Jack Adams	Proj. Mgr.	CPM	865-000	865-4836	jwadams@cpmconstructors.com
Steven Piela	Proj. Mgr.	Glidden	856-9990	856-9998	steve@gliddenpaving.com
Mike McCarthy	Proj. Mgr.	JMACS	784-9943	784-9949	mmccarthy@jmacscustomconcrete.com
Tom St. Onge	Proj. Coord.	Gendron	782-7372	782-7308	tom@gendroncorp.com
Dave Sargent	Project Mgr.	Lane	751-0839	333-3527	cmw@laneconstruct.com
Matt Callahan	Proj. Mgr.	St. Laurent	784-7944	784-7944	matt@stlaurentandson.com
Art Burgess	Engineer	Pratt & Sons	345-3311	345-3313	art@prattandsons.net
Bob Mosley	Paving Manager	Crooker	841-7325	725-0926	bob@crooker.com
Josh Pratt	President	JPratt Construction	740-0630	345-9217	jprattinc@aol.com
Richard Burnham	City Engineer	Lewiston	513-3003	784-5647	rburnham@lewistonmaine.gov
Norm Beauparlant	Purchasing	Lewiston	513-3040	784-2959	nbeauparlant@lewistonmaine.gov
Bruce Munger	Designer	HNTB	228-0896	228-9090	bmunger@hntb.com

Introductions

Project Engineer: Ryan Barnes
 Bid opening March 22, 2016.

Scope of Work

- Base Bid 1 (WIN 20309.00)
 - Lisbon Street Resurfacing
 - Mill & Fill Existing Roadway
 - Replace Existing Paver Sidewalks with Reinforced Concrete Sidewalks
- Base Bid 2 (WIN 20557.00)
 - Traffic Signal Improvements and ADA Upgrades at:
 - Lisbon/Chestnut
 - Lisbon/Pine
 - Lisbon/Ash
 - Bates/Pine
 - Bates/Ash
 - Canal/Chestnut
- Base Bid 3 (Non Participating)
 - CSO Separation
 - 580' of 18" Stormdrain
 - Two Catchbasins
 - Three Manholes
- Bid Alternate 1 (Non Participating)
 - Rewiring of Existing Street Lights
 - One street light and foundation
 - Two electrical panels
 - Rewire 52 existing street lights

- Repair existing conduit as necessary
- Bid Alternate 2 (Non Participating)
 - Decorative Fence
 - 180' of Decorative Fence
- Bid Alternate 3 (Non Participating)
 - Street Trees
 - Eight Street Trees
- Bid Alternate 4 (Non Participating)
 - Landscaping
 - Decorative Bollards
 - Raised Planting Beds
 - Stamped Concrete
- Bid Alternate 5 (Non Participating)
 - Plaza
 - Reconstruct Alley Adjacent to Mother India
 - Remove Pavement
 - Reinforced Concrete Sidewalks
 - Landscaping

Basis of Award

Basis of Award shall be to the lowest responsive bidder for the total of Base Bid 1 and Base Bid 2 Base Bid 3, Bid Alt 1, Bid Alt 2, Bid Alt 3, Bid Alt 4, and Bid Alt 5 are non-participating work and are being funded by the City of Lewiston. The City reserves the right not to award these sections if funding is not available.

Specifications

Bid Open:
March 22, 2016

Time Limit:
November 23, 2016

Davis Bacon Wage Rates Apply

Utilities

- City of Lewiston Street Light
 - Raise one street light
 - Adjust attachment height on 5 poles
- Fairpoint
 - Adjust 3 manholes to grade
- City of Lewiston Sewer Division
 - Adjust 5 manholes to grade
- City of Lewiston Water Division
 - Adjust 34 Gate Boxes to grade
- Central Maine Power
 - Will be installing new duct banks in Main Street and Canal Street

Traffic Control

- Maintain One Variable Message Board on Project
- Night Work shall be required for:
 - Removal of Cobble Stones
 - Milling

Paving

Drainage Work between DMH A2 and CB1

Contractor must maintain vehicular access and pedestrian access to all businesses at all times.

Sidewalk construction shall be phased to only impact one block at a time and one side of the street at a time.

Contractor shall submit a phasing planning detailing how work will progress and how the contractor plans to maintain access to businesses.

Questions

1. Sheet 4 lists "Curb type 1". Is that new curb or curb to be reset? I believe it is new curb but I want to verify that. If it is new, how do I know where the reset curb begins and ends? There is a note that says "adjust curb to grade and slope as directed by the engineer". How do I know how much curb this is about?
 - This curb shall be new granite curb. Adjusting curb shall be to correct line and slope and shall be as directed by the engineer.
2. Sheet 5, just wondering how much reset on this sheet here is.
 - Adjusting curb shall be to correct line and slope and shall be as directed by the engineer.
3. Sheet 11, there is a note to "remove and reset curb." Once again I do not know where this begins and ends.
 - As necessary to install stormdrain
4. Sheet 12, same issue as sheet 11.
 - As necessary to install stormdrain
5. Sheet 13, there is a note saying "vertical granite curb." Is that all new curb along that landscaped island?
 - This curb shall be new granite curb.
6. Who will be the inspectors on this project?
 - The project will be administered by the City of Lewiston. The City be contracting with the following consulting firms to assist the City:

TY Lin	WIN 20309.00 and Non Participating Work
HNTB	WIN 20557.00
Terracon	Material Testing and Certification
7. The project has pay quantities to remove 5800 square yards of sidewalk, and pay quantities to install 5900 square yards of various sidewalk types, which is correct?
 - The difference in quantities is due to rounding, the contractor will be paid for the actually quantity of work completed.
8. Why are night time operations 7PM to 7AM from Chestnut to Ash and 9PM to 7AM from Ash to Main.
 - The later time restriction from Ash to Main is to minimize impacts to the restaurants in the area.
9. Is all gravel paid truck measure?
 - No, only the gravel used to shim the existing sidewalks will be paid truck measure, all other areas the gravel will be in place quantities.

10. Is there a pay item for removing and resetting the bollards associated with the CSO Work?
 - Resetting bollards as a result of the CSO work will be incidental to the Stormdrain items.
11. Where is the pavement limit on sheet 13?
 - The Plaza area will be constructed with reinforced concrete sidewalks, the only pavement will be in the Alley.
12. Is there a detail for relocating the benches or trash cans.
 - The benches and trash can receptacles will be reinstalled using new hardware matching the existing materials and spacing of the existing benches and receptacles.
13. How does the City want the contractor to maintain access to businesses during the construction of the sidewalks?
 - Means and Methods shall be the contractor's responsibility, however, general note #58 outlines the requirements for phasing of the sidewalk construction, and requires the contractor to submit a plan for how they will maintain access to the businesses for approval by the City.
14. Can the bid form be revised to include only numbers with the unit prices without words because of the large volume of bid items?
 - A revised bid form will be provided with the bid addendum.
15. The basis of payment in special provision 608 is not correct.
 - A revised special provision will be provided with the bid addendum.

If any of the meeting participants feel that the above is not an accurate representation of what was discussed at the meeting, they should contact Ryan Barnes, Project Engineer at 513-3003, Ext. 3422.

CITY OF LEWISTON
PROPOSAL FOR
LISBON STREET RESURFACING
AND
DOWNTOWN INTERSECTION IMPROVEMENTS
BID # 2016-012

To: Director of Budget & Purchasing
 City Hall, Lewiston, Maine

Dear Sir/Madam:

The undersigned hereby declares that he/she has carefully examined the location of the proposed work, the proposed Contract Form and the Contract Documents therein referred to and that he/she proposes and agrees, if this Proposal is accepted, that he/she will contract with the City of Lewiston, by its City Administrator, to provide all machinery, tools, labor, equipment and other means of construction and to do all the work and to furnish all the materials, except those specified in the Specifications to be furnished by the City, necessary to complete the work in the manner and time therein prescribed, in accordance with the conditions and requirements set forth in the Contract Documents and the requirements of the Engineer and/or Director of Public Works as provided for therein; and that he/she will accept in full payment therefore the following sums to wit:

Base Bid 1 – LISBON STREET RESURFACING WIN 20309.00

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
201.24	REMOVING STUMP	2	EA	\$ _____	\$ _____
202.1271	REMOVE BITUMINOUS PAVEMENT	3400	SY	\$ _____	\$ _____
202.2001	REMOVE BRICK AND PAVER SIDEWALK	5800	SY	\$ _____	\$ _____
202.2002	REMOVE COBBLE	1000	SY	\$ _____	\$ _____
202.202	REMOVING PAVEMENT SURFACE	5800	SY	\$ _____	\$ _____
304.0001	REGRADE SIDEWALK	5800	SY	\$ _____	\$ _____
304.141	AGGREGATE BASE COURSE TYPE A – TRUCK MEASURE	500	CY	\$ _____	\$ _____
403.210	HOT MIX ASPHALT 9.5 MM	500	T	\$ _____	\$ _____
403.211	HOT MIX ASPHALT (SHIM)	200	T	\$ _____	\$ _____
403.213	HOT MIX ASPHALT 12.5 MM HMA	200	T	\$ _____	\$ _____
409.15	BITUMINOUS TACK COAT - APPLIED	500	G	\$ _____	\$ _____
604.18	ADJUST MANHOLE OR CB TO GRADE	12	EA	\$ _____	\$ _____
607.0001	REMOVE CHAIN LINK FENCE	180	LF	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
608.001	RESET CONCRETE PAVERS	700	SY	\$ _____	\$ _____
608.002	RESET BRICK PAVERS	200	SY	\$ _____	\$ _____
608.003	REMOVE AND RESET BENCH	12	EA	\$ _____	\$ _____
608.004	REMOVE AND RESET TRASH RECEPTACLE	10	EA	\$ _____	\$ _____
608.005	PAINT BOLLARDS AND ADJUST TO PLUMB	50	EA	\$ _____	\$ _____
608.006	PAINT LIGHT FOUNDATIONS	62	EA	\$ _____	\$ _____
608.08	REINFORCED CONCRETE SIDEWALK	5000	SY	\$ _____	\$ _____
608.26	CURB RAMP DETECTABLE WARNING FIELD	260	SF	\$ _____	\$ _____
609.11	VERT CURB TYPE 1	200	LF	\$ _____	\$ _____
609.1101	ADJUST CURB TO GRADE/LINE	500	LF	\$ _____	\$ _____
609.12	VERT CURB TYPE 1- CIRCULAR	50	LF	\$ _____	\$ _____
609.2371	TERMINAL CURB TYPE 1- 7 FT - CIRCULAR	2	EA	\$ _____	\$ _____
627.711	WH OR YELL PAINT PVMT MRK LINE (PL QUA	5500	LF	\$ _____	\$ _____
627.75	WHITE OR YELLOW PVMT AND CURB MARK	5000	SF	\$ _____	\$ _____
627.76	TEMPORARY PVMT. MARK LINE, W OR YELLOW	1	LS	\$ _____	\$ _____
629.05	HAND LABOR, STRAIGHT TIME	20	HR	\$ _____	\$ _____
631.10	AIR COMPRESSOR (INC OPERATOR)	10	HR	\$ _____	\$ _____
631.11	AIR TOOL (INCLUDING OPERATOR)	10	HR	\$ _____	\$ _____
631.12	ALL-PURPOSE EXC (INC OPERATOR)	10	HR	\$ _____	\$ _____
631.133	SKID STEER (INCLUDING OPERATOR)	10	HR	\$ _____	\$ _____
631.172	TRUCK-LARGE (INC OPERATOR)	10	HR	\$ _____	\$ _____
631.22	FRONT END LOADER (INC OPER)	10	HR	\$ _____	\$ _____
645.292	WARNING SIGN	30	SF	\$ _____	\$ _____
652.312	TYPE III BARRICADE	20	EA	\$ _____	\$ _____
652.33	DRUM	75	EA	\$ _____	\$ _____
652.34	CONE	150	EA	\$ _____	\$ _____
652.35	CONSTRUCTION SIGNS	450	SF	\$ _____	\$ _____
652.36	MAINT OF TRAFFIC CONTR DEVICES	120	CD	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
652.38	FLAGGER	3000	HR	\$ _____	\$ _____
652.381	TRAFFIC OFFICER	200	HR	\$ _____	\$ _____
652.41	PORTABLE - CHANGE MESSAGE SIGN	1	EA	\$ _____	\$ _____
656.75	TEMP SOIL EROSION & WATER POLLUTION CT	1	LS	\$ _____	\$ _____
659.10	MOBILIZATION	1	LS	\$ _____	\$ _____

Total Base Bid 1 - _____ (\$ _____)

Base Bid 2 – DOWNTOWN INTERSECTION IMPROVEMENTS WIN 20557.00

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
203.20	COMMON EXCAVATION	50	CY	\$ _____	\$ _____
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	20	TON	\$ _____	\$ _____
608.08	REINFORCED CONCRETE SIDEWALK	430	SY	\$ _____	\$ _____
608.10	BRICK SIDEWALK (REMOVE AND REBUILD)	80	SY	\$ _____	\$ _____
608.26	CURB RAMP DETECTABLE WARNING FIELD	410	SF	\$ _____	\$ _____
608.46	REGRADE SIDEWALK	80	SY	\$ _____	\$ _____
609.11	VERTICAL CURB TYPE 1	15	LF	\$ _____	\$ _____
609.237	TERMINAL CURB TYPE 1 - 7 FOOT	5	EA	\$ _____	\$ _____
609.2371	TERMINAL CURB TYPE 1- 7 FT - CIRCULAR	5	EA	\$ _____	\$ _____
609.38	RESET CURB TYPE 1	510	LF	\$ _____	\$ _____
626.11	PRECAST CONCRETE JUNCTION BOX	10	EA	\$ _____	\$ _____
626.22	NON-METALLIC CONDUIT	700	LF	\$ _____	\$ _____
626.31	18 INCH FOUNDATION	8	EA	\$ _____	\$ _____
626.35	CONTROLLER CABINET FOUNDATION	4	EA	\$ _____	\$ _____
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	1950	SF	\$ _____	\$ _____
627.77	REMOVING PAVEMENT MARKINGS	600	SF	\$ _____	\$ _____
629.05	HAND LABOR	25	HR	\$ _____	\$ _____
634.72	RELOCATE ORNAMENTAL LIGHT	2	EA	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
643.71	TRAFFIC SIGNAL MODIFICATION LISBON ST. W/ CHESTNUT ST	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION LISBON ST. W/ ASH ST.	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION LISBON ST. W/ PINE ST.	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION CANAL ST. W/ CHESTNUT ST.	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION BATES ST. W/ ASH	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION BATES ST. W/ PINE	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ LISBON ST. W/ CHESTNUT ST.	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ LISBON ST. W/ ASH ST.	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ LISBON ST. W/ PINE ST.	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ CANAL ST. W/ CHESTNUT ST.	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ BATES ST. W/ ASH	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ BATES ST. W/ PINE	1	LS	\$ _____	\$ _____
643.90	INTERCONNECT WIRE - 12-STRAND FIBER OPTIC CABLE (4,800 LF)	1	LS	\$ _____	\$ _____
643.92	PEDESTAL POLE (8 FT.)	3	EA	\$ _____	\$ _____
643.92	PEDESTAL POLE (12 FT.)	7	EA	\$ _____	\$ _____
643.921	REMOVE AND RESET PEDESTAL POLE	2	EA	\$ _____	\$ _____
645.271	REG., WARNING, CONFIRMATION AND ROUTE ASSEMBLY SIGN, TYPE II	175	SF	\$ _____	\$ _____
652.33	DRUM	36	EA	\$ _____	\$ _____
652.34	CONE	45	EA	\$ _____	\$ _____
652.35	CONSTRUCTION SIGNS	150	SF	\$ _____	\$ _____
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	180	CD	\$ _____	\$ _____
652.38	FLAGGERS	1000	HR	\$ _____	\$ _____
652.381	TRAFFIC OFFICER	150	HR	\$ _____	\$ _____
659.10	MOBILIZATION	1	LS	\$ _____	\$ _____

Total Base Bid 2 - _____ (\$ _____)

Base Bid 3 - CSO Separation (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
206.061	STR EARTH BELOW GRADE STR	20	CY	\$ _____	\$ _____
206.07	STR ROCK EXC - DR & MINOR STR	20	CY	\$ _____	\$ _____
304.09	AGGR BASE CRS - CRUSHED	120	CY	\$ _____	\$ _____
304.10	AGGR SUBB COURSE - GRAVEL	360	CY	\$ _____	\$ _____
403.207	HOT MIX ASPHALT 19.0 MM HMA	120	T	\$ _____	\$ _____
403.210	HOT MIX ASPHALT 9.5 MM	60	T	\$ _____	\$ _____
409.15	BITUMINOUS TACK COAT - APPLIED	20	G	\$ _____	\$ _____
603.179	18" CULV PIPE OPTION III	580	LF	\$ _____	\$ _____
604.072	CATCH BASIN TYPE A1-C	2	EA	\$ _____	\$ _____
604.15	MANHOLE	3	EA	\$ _____	\$ _____
604.161	ALTERING CATCH BASIN	2	EA	\$ _____	\$ _____
608.261	RESET CONCRETE PAVERS	15	SY	\$ _____	\$ _____
609.443	REMV, CUT & INST., EXT. CURB	250	LF	\$ _____	\$ _____
615.0701	LOAM - PLAN QUANTITY	5	CY	\$ _____	\$ _____
618.1411	SEEDING METHOD NUMBER 3 - PLAN QUANTIT	0.2	UN	\$ _____	\$ _____
619.1201	MULCH - PLAN QUANTITY	0.2	UN	\$ _____	\$ _____
652.33	DRUM	20	EA	\$ _____	\$ _____
652.34	CONE	20	EA	\$ _____	\$ _____
652.35	CONSTRUCTION SIGNS	150	SF	\$ _____	\$ _____
652.36	MAINT OF TRAFFIC CONTR DEVICES	20	CD	\$ _____	\$ _____
652.38	FLAGGER	200	HR	\$ _____	\$ _____
656.75	TEMP SOIL EROSION & WATER POLLUTION CT	1	LS	\$ _____	\$ _____
659.10	MOBILIZATION	1	LS	\$ _____	\$ _____
801.03	TEST PITS	5	EA	\$ _____	\$ _____

Total Base Bid 3 - _____ (\$ _____)

Bid Alt 1 - Electrical Wiring (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
626.21	METALLIC CONDUIT	20	LF	\$ _____	\$ _____
626.2202	REPAIR EXISTING CONDUIT	500	LF	\$ _____	\$ _____
626.31	18" PRECAST FOUNDATION	1	EA	\$ _____	\$ _____
634.001	REWIRE EXISTING STREET LIGHTS	40000	LF	\$ _____	\$ _____
634.002	ELECTRICAL PANEL	2	EA	\$ _____	\$ _____
634.003	CONNECT TO EXISTING FIXTURE AND RECEPTACLES	52	EA	\$ _____	\$ _____
634.1601	LIGHT POLE AND FIXTURE	1	EA	\$ _____	\$ _____

Total Bid Alt 1 - _____ (\$ _____)

Bid Alt 2 - Decorative Fence (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
607.001	DECORATIVE FENCE	180	LF	\$ _____	\$ _____

Total Bid Alt 2 - _____ (\$ _____)

Bid Alt 3 - STREET TREES (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
203.20	COMMON EXCAVATION	20	CY	\$ _____	\$ _____
202.2001	REMOVE BRICK AND PAVER SIDEWALK	20	SY	\$ _____	\$ _____
615.07	LOAM	20	CY	\$ _____	\$ _____
619.1301	BARK MULCH	10	CY	\$ _____	\$ _____
621.279	LG DECID TR (2.50"-3" CAL) GP A	8	EA	\$ _____	\$ _____

Total Bid Alt 3 - _____ (\$ _____)

Bid Alt 4 - Landscaping (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
607.0003	DECORATIVE BOLLARDS WITH CHAIN	1	LS	\$ _____	\$ _____
608.009	STAMP QUOTATATION IN SIDEWALK	2	EA	\$ _____	\$ _____
608.261	RESET CONCRETE PAVERS	30	SY	\$ _____	\$ _____
609.11	VERT CURB TYPE 1	80	LF	\$ _____	\$ _____
609.12	VERT CURB TYPE 1- CIRCULAR	70	LF	\$ _____	\$ _____
615.07	LOAM - PLAN QUANTITY	10	CY	\$ _____	\$ _____
619.13	BARK MULCH	10	CY	\$ _____	\$ _____
621.001	PACHYSANDRA	32	EA	\$ _____	\$ _____
621.002	LYME GRASS	12	EA	\$ _____	\$ _____

Total Bid Alt 4 - _____ (\$ _____)

Bid Alt 5- Plaza (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
201.23	REMOVE TREE TOP	1	EA	\$ _____	\$ _____
201.24	REMOVE STUMP	1	EA	\$ _____	\$ _____
202.127	REMOVE EXIST BIT PAVEMENT	280	SY	\$ _____	\$ _____
304.09	AGGR BASE CRS - CRUSHED	40	CY	\$ _____	\$ _____
304.0001	REGRADE SIDEWALK	280	SY	\$ _____	\$ _____
403.207	HOT MIX ASPHALT 19.0 MM HMA	10	T	\$ _____	\$ _____
403.210	HOT MIX ASPHALT 9.5 MM	5	T	\$ _____	\$ _____
409.15	BITUMINOUS TACK COAT - APPLIED	5	G	\$ _____	\$ _____
604.18	ADJUST MANHOLE OR CB TO GRADE	1	EA	\$ _____	\$ _____
608.08	REINFORCED CONCRETE SIDEWALK	250	SY	\$ _____	\$ _____
609.11	VERT CURB TYPE 1	60	LF	\$ _____	\$ _____
609.12	VERT CURB TYPE 1- CIRCULAR	40	LF	\$ _____	\$ _____
615.07	LOAM - PLAN QUANTITY	10	CY	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
619.13	BARK MULCH	10	CY	\$ _____	\$ _____
621.001	PACHYSANDRA	32	EA	\$ _____	\$ _____
626.36	REMOVE CONCRETE FOUNDATION	1	EA	\$ _____	\$ _____
626.3601	REMOVE LIGHT FIXTURE	1	EA	\$ _____	\$ _____

Total Bid Alt 5 - _____ (\$ _____)

Total Base Bid 1 - _____ (\$ _____)

Total Base Bid 2 - _____ (\$ _____)

Total Base Bid 1 & 2 (Basis of Award)- _____ (\$ _____)

Total Base Bid 3 - _____ (\$ _____)

Total Bid Alt 1 - _____ (\$ _____)

Total Bid Alt 2 - _____ (\$ _____)

Total Bid Alt 3 - _____ (\$ _____)

Total Bid Alt 4 - _____ (\$ _____)

Total Bid Alt 5 - _____ (\$ _____)

The undersigned acknowledges the receipt of Addenda numbered _____.

The undersigned further agrees that, after notification by the Director of Budget & Purchasing of the acceptance of his/her Proposal and the readiness of the Contract for signature, he/she will execute the Contract and furnish the required Bonds within ten (10) days, Saturdays, Sundays and Holidays, excluded, and that he/she will commence the work within ten (10) days after the execution of the Contract and deliverance of the Bonds, unless otherwise specified in the Supplemental Specifications or directed by the Director of Public Works or City Engineer in writing; and that he/she will prosecute the work to its completion within the time limit specified in the Supplemental Specifications.

Base Bid 3, Bid Alt1, Bid Alt 2, Bid Alt 3, Bid Alt 4, and Bid Alt 5 are non-participating work and are being funded by the City of Lewiston. The contractor is required to bid all sections of the contract. The City of Lewiston reserves the right not to award Base Bid 3, Bid Alt 1, Bid Alt 2, Bid Alt 3, Bid Alt 4, and Bid Alt 5 if adequate funding is not available.

The undersigned further agrees that in the employment of labor, preference will be given, all other things being equal, to the citizens of Lewiston and of the State of Maine, in that order. The undersigned hereby further declares that the only persons or parties interested in this Proposal, as principals, are named below; that the Proposal is made without any connection with any other person or party making any Proposal for the same work; and that no person acting for or employed by the City of Lewiston is directly or indirectly interested in this Proposal or in any contract which may be made under it or in profits expected to arise there from, except as provided by the City Charter. The full names and addresses of all persons and parties interested in this Proposal, as principals, are as follows: (Give first and last names in full; and in the case of a Corporation, give names and addresses of President, Treasurer and Manager; and in case of a Partnership, give names and addresses of members):

Accompanying this Proposal is a bid security deposit in the amount of \$(_____), which is to become the property of the City of Lewiston, by forfeiture, if the undersigned fails, after notification by the Director of Budget & Purchasing of the acceptance of his/her Proposal, to execute a Contract with the City and furnish the required Bonds within the time agreed to herein; or, in case the undersigned withdraws his/her Proposal within thirty (30) days after the opening of the Proposals. Otherwise, the deposit will be returned to the undersigned in accordance with the provisions in the Notice to Contractors.

Signature	
Name/Title (printed)	
Legal Address	
Firm's IRS I.D. #	
Mailing Address	
Email:	
Telephone #	
Fax #	
Date	

CITY OF LEWISTON, MAINE
CONTRACT FOR
LISBON STREET RESURFACING
AND
DOWNTOWN INTERSECTION IMPROVEMENTS
BID # 2016-012

This Agreement, made and entered into the date listed below, in the year two thousand and fourteen between the City of Lewiston, Maine, a municipal corporation existing under the laws of the State of Maine, hereinafter called "Owner", by its City Administrator, party of the first part, and

hereinafter called "Contractor", with legal address and principal place of business at:

party of the second part:

WITNESSETH:

That the parties to these presents, each in consideration of the covenant and agreements on the part of the other herein contained, have covenanted and agreed and do hereby covenant and agree, the party of the first part for itself and the party of the second part for himself/herself and his/her heirs, executors, administrators and assigns under the penalties expressed in the Performance Bond and the Labor and Material Payment Bond as follows:

That this Agreement includes the following documents, hereinafter referred to as Contract Documents, which are attached hereto and incorporated by reference into this Agreement:

- A. Notice to Contractors
- B. Proposal
- C. Contract
- D. Notice of Award
- E. Notice to Proceed
- F. Supplemental Specifications

G. Standard Specifications

H. Contract Plans, if any

I. Addenda, if any

J. Federal Conditions, if any

That the party of the second part will do all the work, furnish all the materials, tools and equipment, except as otherwise specified, and do everything necessary and proper for performing and faithfully completing the work required by the Contract Documents in strict conformity with the provisions of the Contract Documents within the time specified in the Special Provisions, Plans, and the Standard and Supplemental Specifications.

That the party of the first part will pay the party of the second part as full compensation for well and faithfully completing the whole work according to the Contract Documents as follows:

Base Bid 1 – LISBON STREET RESURFACING WIN 20309.00

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
201.24	REMOVING STUMP	2	EA	\$ _____	\$ _____
202.1271	REMOVE BITUMINOUS PAVEMENT	3400	SY	\$ _____	\$ _____
202.2001	REMOVE BRICK AND PAVER SIDEWALK	5800	SY	\$ _____	\$ _____
202.2002	REMOVE COBBLE	1000	SY	\$ _____	\$ _____
202.202	REMOVING PAVEMENT SURFACE	5800	SY	\$ _____	\$ _____
304.0001	REGRADE SIDEWALK	5800	SY	\$ _____	\$ _____
304.141	AGGREGATE BASE COURSE TYPE A – TRUCK MEASURE	500	CY	\$ _____	\$ _____
403.210	HOT MIX ASPHALT 9.5 MM	500	T	\$ _____	\$ _____
403.211	HOT MIX ASPHALT (SHIM)	200	T	\$ _____	\$ _____
403.213	HOT MIX ASPHALT 12.5 MM HMA	200	T	\$ _____	\$ _____
409.15	BITUMINOUS TACK COAT - APPLIED	500	G	\$ _____	\$ _____
604.18	ADJUST MANHOLE OR CB TO GRADE	12	EA	\$ _____	\$ _____
607.0001	REMOVE CHAIN LINK FENCE	180	LF	\$ _____	\$ _____
608.001	RESET CONCRETE PAVERS	700	SY	\$ _____	\$ _____
608.002	RESET BRICK PAVERS	200	SY	\$ _____	\$ _____
608.003	REMOVE AND RESET BENCH	12	EA	\$ _____	\$ _____
608.004	REMOVE AND RESET TRASH RECEPTACLE	10	EA	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
608.005	PAINT BOLLARDS AND ADJUST TO PLUMB	50	EA	\$ _____	\$ _____
608.006	PAINT LIGHT FOUNDATIONS	62	EA	\$ _____	\$ _____
608.08	REINFORCED CONCRETE SIDEWALK	5000	SY	\$ _____	\$ _____
608.26	CURB RAMP DETECTABLE WARNING FIELD	260	SF	\$ _____	\$ _____
609.11	VERT CURB TYPE 1	200	LF	\$ _____	\$ _____
609.1101	ADJUST CURB TO GRADE/LINE	500	LF	\$ _____	\$ _____
609.12	VERT CURB TYPE 1- CIRCULAR	50	LF	\$ _____	\$ _____
609.2371	TERMINAL CURB TYPE 1- 7 FT - CIRCULAR	2	EA	\$ _____	\$ _____
627.711	WH OR YELL PAINT PVMT MRK LINE (PL QUA	5500	LF	\$ _____	\$ _____
627.75	WHITE OR YELLOW PVMT AND CURB MARK	5000	SF	\$ _____	\$ _____
627.76	TEMPORARY PVMT. MARK LINE, W OR YELLOW	1	LS	\$ _____	\$ _____
629.05	HAND LABOR, STRAIGHT TIME	20	HR	\$ _____	\$ _____
631.10	AIR COMPRESSOR (INC OPERATOR)	10	HR	\$ _____	\$ _____
631.11	AIR TOOL (INCLUDING OPERATOR)	10	HR	\$ _____	\$ _____
631.12	ALL-PURPOSE EXC (INC OPERATOR)	10	HR	\$ _____	\$ _____
631.133	SKID STEER (INCLUDING OPERATOR)	10	HR	\$ _____	\$ _____
631.172	TRUCK-LARGE (INC OPERATOR)	10	HR	\$ _____	\$ _____
631.22	FRONT END LOADER (INC OPER)	10	HR	\$ _____	\$ _____
645.292	WARNING SIGN	30	SF	\$ _____	\$ _____
652.312	TYPE III BARRICADE	20	EA	\$ _____	\$ _____
652.33	DRUM	75	EA	\$ _____	\$ _____
652.34	CONE	150	EA	\$ _____	\$ _____
652.35	CONSTRUCTION SIGNS	450	SF	\$ _____	\$ _____
652.36	MAINT OF TRAFFIC CONTR DEVICES	120	CD	\$ _____	\$ _____
652.38	FLAGGER	3000	HR	\$ _____	\$ _____
652.381	TRAFFIC OFFICER	200	HR	\$ _____	\$ _____
652.41	PORTABLE - CHANGE MESSAGE SIGN	1	EA	\$ _____	\$ _____
656.75	TEMP SOIL EROSION & WATER POLLUTION CT	1	LS	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
659.10	MOBILIZATION	1	LS	\$ _____	\$ _____

Total Base Bid 1 - _____ (\$ _____)

Base Bid 2 – DOWNTOWN INTERSECTION IMPROVEMENTS WIN 20557.00

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
203.20	COMMON EXCAVATION	50	CY	\$ _____	\$ _____
403.209	HOT MIX ASPHALT 9.5 MM (SIDEWALKS, DRIVES, INCIDENTALS)	20	TON	\$ _____	\$ _____
608.08	REINFORCED CONCRETE SIDEWALK	430	SY	\$ _____	\$ _____
608.10	BRICK SIDEWALK (REMOVE AND REBUILD)	80	SY	\$ _____	\$ _____
608.26	CURB RAMP DETECTABLE WARNING FIELD	410	SF	\$ _____	\$ _____
608.46	REGRADING SIDEWALK	80	SY	\$ _____	\$ _____
609.11	VERTICAL CURB TYPE 1	15	LF	\$ _____	\$ _____
609.237	TERMINAL CURB TYPE 1 - 7 FOOT	5	EA	\$ _____	\$ _____
609.2371	TERMINAL CURB TYPE 1- 7 FT - CIRCULAR	5	EA	\$ _____	\$ _____
609.38	RESET CURB TYPE 1	510	LF	\$ _____	\$ _____
626.11	PRECAST CONCRETE JUNCTION BOX	10	EA	\$ _____	\$ _____
626.22	NON-METALLIC CONDUIT	700	LF	\$ _____	\$ _____
626.31	18 INCH FOUNDATION	8	EA	\$ _____	\$ _____
626.35	CONTROLLER CABINET FOUNDATION	4	EA	\$ _____	\$ _____
627.75	WHITE OR YELLOW PAVEMENT & CURB MARKING	1950	SF	\$ _____	\$ _____
627.77	REMOVING PAVEMENT MARKINGS	600	SF	\$ _____	\$ _____
629.05	HAND LABOR	25	HR	\$ _____	\$ _____
634.72	RELOCATE ORNAMENTAL LIGHT	2	EA	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION LISBON ST. W/ CHESTNUT ST	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION LISBON ST. W/ ASH ST.	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION LISBON ST. W/ PINE ST.	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION CANAL ST. W/ CHESTNUT ST.	1	LS	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
643.71	TRAFFIC SIGNAL MODIFICATION BATES ST. W/ ASH	1	LS	\$ _____	\$ _____
643.71	TRAFFIC SIGNAL MODIFICATION BATES ST. W/ PINE	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ LISBON ST. W/ CHESTNUT ST.	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ LISBON ST. W/ ASH ST.	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ LISBON ST. W/ PINE ST.	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ CANAL ST. W/ CHESTNUT ST.	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ BATES ST. W/ ASH	1	LS	\$ _____	\$ _____
643.83	VIDEO DETECTION SYSTEM @ BATES ST. W/ PINE	1	LS	\$ _____	\$ _____
643.90	INTERCONNECT WIRE - 12-STRAND FIBER OPTIC CABLE (4,800 LF)	1	LS	\$ _____	\$ _____
643.92	PEDESTAL POLE (8 FT.)	3	EA	\$ _____	\$ _____
643.92	PEDESTAL POLE (12 FT.)	7	EA	\$ _____	\$ _____
643.921	REMOVE AND RESET PEDESTAL POLE	2	EA	\$ _____	\$ _____
645.271	REG., WARNING, CONFIRMATION AND ROUTE ASSEMBLY SIGN, TYPE II	175	SF	\$ _____	\$ _____
652.33	DRUM	36	EA	\$ _____	\$ _____
652.34	CONE	45	EA	\$ _____	\$ _____
652.35	CONSTRUCTION SIGNS	150	SF	\$ _____	\$ _____
652.36	MAINTENANCE OF TRAFFIC CONTROL DEVICES	180	CD	\$ _____	\$ _____
652.38	FLAGGERS	1000	HR	\$ _____	\$ _____
652.381	TRAFFIC OFFICER	150	HR	\$ _____	\$ _____
659.10	MOBILIZATION	1	LS	\$ _____	\$ _____

Total Base Bid 2 - _____ (\$ _____)

Base Bid 3 - CSO Separation (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
206.061	STR EARTH BELOW GRADE STR	20	CY	\$ _____	\$ _____
206.07	STR ROCK EXC - DR & MINOR STR	20	CY	\$ _____	\$ _____
304.09	AGGR BASE CRS - CRUSHED	120	CY	\$ _____	\$ _____

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
304.10	AGGR SUBB COURSE - GRAVEL	360	CY	\$ _____	\$ _____
403.207	HOT MIX ASPHALT 19.0 MM HMA	120	T	\$ _____	\$ _____
403.210	HOT MIX ASPHALT 9.5 MM	60	T	\$ _____	\$ _____
409.15	BITUMINOUS TACK COAT - APPLIED	20	G	\$ _____	\$ _____
603.179	18" CULV PIPE OPTION III	580	LF	\$ _____	\$ _____
604.072	CATCH BASIN TYPE A1-C	2	EA	\$ _____	\$ _____
604.15	MANHOLE	3	EA	\$ _____	\$ _____
604.161	ALTERING CATCH BASIN	2	EA	\$ _____	\$ _____
608.261	RESET CONCRETE PAVERS	15	SY	\$ _____	\$ _____
609.443	REMV, CUT & INST., EXT. CURB	250	LF	\$ _____	\$ _____
615.0701	LOAM - PLAN QUANTITY	5	CY	\$ _____	\$ _____
618.1411	SEEDING METHOD NUMBER 3 - PLAN QUANTIT	0.2	UN	\$ _____	\$ _____
619.1201	MULCH - PLAN QUANTITY	0.2	UN	\$ _____	\$ _____
652.33	DRUM	20	EA	\$ _____	\$ _____
652.34	CONE	20	EA	\$ _____	\$ _____
652.35	CONSTRUCTION SIGNS	150	SF	\$ _____	\$ _____
652.36	MAINT OF TRAFFIC CONTR DEVICES	20	CD	\$ _____	\$ _____
652.38	FLAGGER	200	HR	\$ _____	\$ _____
656.75	TEMP SOIL EROSION & WATER POLLUTION CT	1	LS	\$ _____	\$ _____
659.10	MOBILIZATION	1	LS	\$ _____	\$ _____
801.03	TEST PITS	5	EA	\$ _____	\$ _____

Total Base Bid 3 - _____ (\$ _____)

Bid Alt 1 - Electrical Wiring (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
626.21	METALLIC CONDUIT	20	LF	\$ _____	\$ _____
626.2202	REPAIR EXISTING CONDUIT	500	LF	\$ _____	\$ _____

626.31	18" PRECAST FOUNDATION	1	EA	\$ _____	\$ _____
634.001	REWIRE EXISTING STREET LIGHTS	40000	LF	\$ _____	\$ _____
634.002	ELECTRICAL PANEL	2	EA	\$ _____	\$ _____
634.003	CONNECT TO EXISTING FIXTURE AND RECEPTACLES	52	EA	\$ _____	\$ _____
634.1601	LIGHT POLE AND FIXTURE	1	EA	\$ _____	\$ _____

Total Bid Alt 1 - _____ (\$ _____)

Bid Alt 2 - Decorative Fence (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
607.001	DECORATIVE FENCE	180	LF	\$ _____	\$ _____

Total Bid Alt 2 - _____ (\$ _____)

Bid Alt 3 - STREET TREES (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
203.20	COMMON EXCAVATION	20	CY	\$ _____	\$ _____
202.2001	REMOVE BRICK AND PAVER SIDEWALK	20	SY	\$ _____	\$ _____
615.07	LOAM	20	CY	\$ _____	\$ _____
619.1301	BARK MULCH	10	CY	\$ _____	\$ _____
621.279	LG DECID TR (2.50"-3" CAL) GP A	8	EA	\$ _____	\$ _____

Total Bid Alt 3 - _____ (\$ _____)

Bid Alt 4 - Landscaping (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
607.0003	DECORATIVE BOLLARDS WITH CHAIN	1	LS	\$ _____	\$ _____
608.009	STAMP QUOTATION IN SIDEWALK	2	EA	\$ _____	\$ _____
608.261	RESET CONCRETE PAVERS	30	SY	\$ _____	\$ _____

609.11	VERT CURB TYPE 1	80	LF	\$ _____	\$ _____
609.12	VERT CURB TYPE 1- CIRCULAR	70	LF	\$ _____	\$ _____
615.07	LOAM - PLAN QUANTITY	10	CY	\$ _____	\$ _____
619.13	BARK MULCH	10	CY	\$ _____	\$ _____
621.001	PACHYSANDRA	32	EA	\$ _____	\$ _____
621.002	LYME GRASS	12	EA	\$ _____	\$ _____

Total Bid Alt 4 - _____ (\$ _____)

Bid Alt 5- Plaza (Non-Participating)

ITEM NO.	ITEM DESCRIPTION	EST. QTY	PAY UNIT	Unit Price	Bid Amount
201.23	REMOVE TREE TOP	1	EA	\$ _____	\$ _____
201.24	REMOVE STUMP	1	EA	\$ _____	\$ _____
202.127	REMOVE EXIST BIT PAVEMENT	280	SY	\$ _____	\$ _____
304.09	AGGR BASE CRS - CRUSHED	40	CY	\$ _____	\$ _____
304.0001	REGRADE SIDEWALK	280	SY	\$ _____	\$ _____
403.207	HOT MIX ASPHALT 19.0 MM HMA	10	T	\$ _____	\$ _____
403.210	HOT MIX ASPHALT 9.5 MM	5	T	\$ _____	\$ _____
409.15	BITUMINOUS TACK COAT - APPLIED	5	G	\$ _____	\$ _____
604.18	ADJUST MANHOLE OR CB TO GRADE	1	EA	\$ _____	\$ _____
608.08	REINFORCED CONCRETE SIDEWALK	250	SY	\$ _____	\$ _____
609.11	VERT CURB TYPE 1	60	LF	\$ _____	\$ _____
609.12	VERT CURB TYPE 1- CIRCULAR	40	LF	\$ _____	\$ _____
615.07	LOAM - PLAN QUANTITY	10	CY	\$ _____	\$ _____
619.13	BARK MULCH	10	CY	\$ _____	\$ _____
621.001	PACHYSANDRA	32	EA	\$ _____	\$ _____
626.36	REMOVE CONCRETE FOUNDATION	1	EA	\$ _____	\$ _____
626.3601	REMOVE LIGHT FIXTURE	1	EA	\$ _____	\$ _____

Total Bid Alt 5 - _____ (\$ _____)

Total Base Bid 1 - _____	(\$ _____)
Total Base Bid 2 - _____	(\$ _____)
Total Base Bid 1 & 2 (Basis of Award)- _____	(\$ _____)
Total Base Bid 3 - _____	(\$ _____)
Total Bid Alt 1 - _____	(\$ _____)
Total Bid Alt 2 - _____	(\$ _____)
Total Bid Alt 3 - _____	(\$ _____)
Total Bid Alt 4 - _____	(\$ _____)
Total Bid Alt 5 - _____	(\$ _____)

The party of the second part represents and warrants:

- A.** That he/she is financially solvent; and is experienced in and competent to perform the work; and is able to furnish the plant, materials, supplies, labor, and equipment to be furnished by him/her; and,
- B.** That he/she is familiar with all Federal, State, Municipal and Departmental laws, ordinances and regulations which may in any way affect the work or those employed therein; and,
- C.** That such temporary and permanent work required by the Contract Documents to be done by him/her can be satisfactorily constructed and used for the purposes for which it is intended; and that such construction will not injure any person or damage any property other than that damage caused by the construction; and,
- D.** That he/she has carefully examined the Contract Documents and the site of the work; and from his/her own investigation has satisfied himself/herself as to the nature and location of the work, the character, quality and quantity of surface and subsurface material likely to be encountered, the character of equipment and other facilities needed for the performance of the work, the general and local conditions; and all the other materials and conditions which may in any way affect the work or its performance.

IN WITNESS WHEREOF, the said City, by its City Administrator and the said

By its _____ thereunto duly authorized have hereunto set their hands and seals the day and year first above written.

Signed in the presence of:

Witness

Witness

By: _____
Edward Barrett, City Administrator

Date: _____

By: _____
Contractor

Date: _____

Town: **Lewiston**
Project: **20309.00 and 20557.00**
Federal Number: **NHP-(2030)900 and**
CM-2055(700)
Date: **March 10, 2016**

SPECIAL PROVISIONS
SECTION 608
Colored Concrete Sidewalks

The provisions of Section 608 of the “State of Maine, Department of Transportation, Standard Specifications, November 2014 Edition” shall apply with the following additions and modifications:

608.01 Description:

Add the following after the last paragraph:

This work shall consist of furnishing and placing a colored Portland cement concrete sidewalk and incidental construction for all colored concrete. Except as otherwise specified in this Special Provision, all work shall be in conformity with the applicable provisions of Section 502, Structural Concrete; Section 503, Reinforcing Steel; and, Section 515, Protective Coating for Concrete Surfaces. Colored Concrete shall consist of a permanent, fade-resistant, uniform, and streak-free integral color-conditioning for Portland cement concrete.

608.02 Materials, General:

Add the following to the end of the first paragraph:

A protective coating compatible with the coloring admixture shall be used.

608.021 Sidewalk Materials:

Add the following to the end of the second paragraph:

The same brand of cement, source of sand, and water/cement ratio shall be maintained for each load of concrete of the same color.

Add the following after the last paragraph:

Color Conditioning Admixture - Colored pavement shall consist of Portland cement concrete replicating color #1266-Cool Gray and color # 5130-Spring Beige, as manufactured by L. M. Scofield Company, or approved equal, as directed by the Engineer.

The color-conditioning admixture shall be a single-component, colored, water-reducing, set-controlling admixture, factory formulated and packaged in cubic yard dosage increments, not multiple additives and pigments added separately into the mix. It shall comply with ASTM C 494, ASTM C979, and AASHTO M194.

608.031 Portland Cement Concrete Sidewalks:

This section shall be removed entirely and replaced with the following:

Test Slabs - Test slabs of colored pavement shall be poured replicating jobsite conditions, using the contemplated materials and construction techniques, and shall be submitted to the City of Lewiston for approval. The approved test slabs shall be delivered by the contractor to the City of Lewiston Public Works Facility where the test slabs will be stored for the duration of the contract to address any discrepancies in color in the finished sidewalk slabs. Each test slab of colored concrete shall be a minimum of 4 inches thick and 2-feet 2-feet square. Four separate test slabs replicating each of the two colors shall be cast as directed by the Engineer.

Town: **Lewiston**
Project: **20309.00 and 20557.00**
Federal Number: **NHP-(2030)900 and**
CM-2055(700)
Date: **March 10, 2016**

Preparation of Foundation - Existing pavers shall be removed and the existing subgrade shall be graded and compacted as directed by the Engineer to provide adequate and uniform load-bearing characteristics. Prior to concrete placement the foundation bed shall be thoroughly and uniformly saturated with water, and shall be free of puddles and excessive surface water.

Placement of Concrete - Concrete shall be placed in a continuous operation between preformed expansion joints. No construction joints will be allowed. Expansion Joints shall have an approved expansion joint sealer matching the color of the concrete, installed as detailed on the plans. Preformed Expansion Joints shall be continuous and of an approved material; and, Control Joints shall be soft cut 24 hours after the placement.

Weather and Curing Limitations - Colored concrete shall only be placed between the dates of May 1 and October 1, provided the air temperature as determined by an approved thermometer placed in the shade at the site location is 10 degrees C (50 degrees F) or higher. During the curing process, the concrete shall not be covered with plastic sheeting, burlap, or other material which might disturb the uniformity of color throughout the concrete. A curing compound compatible with the coloring admixture shall be used.

Mixing, Placing and Finishing - The concrete mix shall be controlled to provide good batch-to-batch uniformity. Ready-mix trucks shall be in good condition. If required by the Engineer, the Contractor shall wet-check the approximate color of each load before placing in accordance with the color admixture manufacturer's recommendations.

Before batching, the drum must be thoroughly clean and wet. The quantity of colored concrete mixed shall not be less than one-third of the capacity of the mixing drum, and shall always be in full cubic yard increments. Approximately 40 gallons of the mix water and a portion of the aggregates shall be batched into the mixer drum. Then one bag of the approved admixture, correctly packaged for the mix design, shall be added for each cubic yard of concrete. The remaining ingredients shall be added, and the load mixed at the specified mixing speed for a minimum of 200 revolutions or ten minutes which ever will be greater, before discharging. Admixtures shall never be added to an empty drum or at the tail end of a load.

When depositing, the concrete shall be deposited near its final position to avoid segregation due to re-handling or flowing. The concrete shall be placed and consolidated so that it completely fills all space inside the forms and provides a suitable surface for finishing.

No water shall be added after the truck has left the batch plant. Concrete that has started to set must not be retempered, but shall be discarded.

The surface of the concrete shall receive a float finish in accordance with Subsection 502.14(A) of the Standard Specifications. Immediately following the float finish, the surface shall be textured perpendicular the direction of traffic flow using an approved open pile, stiff bristle broom or mat. Extra precautions shall be taken to ensure that the surface is uniformly finished so that it will not be slippery. Surrounding areas, landscaping, and adjacent surfaces shall be protected. The work area shall be roped off, nearby vehicles removed, and appropriate sections closed to traffic.

Approved colored curing agents shall be used per the manufacturer's recommendations to cure the colored pavement. The curing period for the concrete shall be seven days and shall meet the requirements of Standard Specification 502.15. The finished surface of the concrete shall receive a protective coating in accordance with Section 515.

Town: **Lewiston**
Project: **20309.00 and 20557.00**
Federal Number: **NHP-(2030)900 and**
CM-2055(700)
Date: **March 10, 2016**

Quality Assurance - Quality assurance of Structural Concrete, Colored Pavement will be by Method C

608.05 Method of Measurement

The first sentence of the first paragraph shall be removed and replaced with the following:

Construct sidewalk, regarding sidewalk, brick sidewalk (remove and rebuild), brick sidewalk and brick driveway aprons will be measured by the square yard of finished surface.

Add the following after the last paragraph:

Reinforced Colored Concrete Sidewalks satisfactorily placed and accepted, will be measured for payment by the number of square yards of Reinforced Colored Concrete Sidewalks accepted in place, in accordance with the dimensions shown on the plans or authorized by the Engineer. There will be no separate measurement for admixtures, reinforcement, expansion and contraction joints, joint filler material, joint sealant, concrete coloring or finishing, or related and incidental construction.

608.06 Basis of Payment:

Add the following after the first paragraph:

Reinforced Colored Concrete Sidewalks will be paid for at the contract unit price per square yard, which payment will be full compensation for all labor, materials, tools, equipment, and incidentals necessary to complete the work, including the fabrication, delivery and placement of colored concrete and reinforcement, admixtures, furnishing and placement of expansion and contraction joints and joint filler material and sealant, and the furnishing and application of curing agents and protective coatings.

Payment will be made under:

<u>Pay Item</u>		<u>Pay Unit</u>
608.08	Reinforced Concrete Sidewalks	Square Yard