

### **RULE OF AWARD:**

The contract for the Department of Public Works Street and Sidewalk Resurfacing & Patching Project shall be awarded to the lowest responsible and responsive bidder(s). **The Town of XXXXXX will award, if necessary (2) contracts, one for section 1 and for Section 2.** A bid bond is required in the submittal. A payment bond may be requested before award. Please review the Specifications Section for further detailed technical requirements.

**References:** All bidders must submit three references on their official company letterhead with full contact information including their address and phone number. Bidders must have prior experience completing sidewalks resurfacing projects and related work to the satisfaction of customers. The Town of XXXXXX reserves the right to contact any and all of the references, access any other public information, use our own observations and experience working with contractors on previous town projects or request financial statements to determine the quality of past work, business standing, successful project completion and responsiveness to customer needs.

**Equipment List:** Each bid must contain a complete listing of all equipment that will be used in the project on company letterhead to demonstrate the capacity to complete the work.

**Scheduling:** Awarded contractor must respond within two days about their availability and must complete work within two weeks unless otherwise directed by the DPW Operations Manager according to work conditions.

**Bidding Options:** The Town reserves the right to award this Various Streets/Sidewalks Resurfacing and Patching work on an item-by-item basis and to more than one bidder as determined to be in the best interest of the Town according to the item options on the bid form.

**Bidders must read carefully the Town of XXXXXXXX specifications and official bid form for the item details. The purpose of the notes section on the official bid form is to provide a reference for bidders not explain each item in detail.**

- **Bidders may bid on all items in only one section or bid on both sections.**
- **Bidders must provide pricing for any entire section and no partial responses on any section will be accepted on bid forms.**

**TOWN OF XXXXXX, MASSACHUSETTS  
SIDEWALK RESURFACING & ASSORTED WORK  
BID SPECIFICATIONS (PART ONE)**

The quantities of work tabulated in this Bid or indicated on the Details or in Specifications or other Contract Documents are only approximate and are subject to increase or decrease as deemed necessary by the Town and the undersigned agrees that, if this Bid is accepted he will contract with the Town, as provided in the copy of the Contract Documents in this Bid Form being part of said Contract, and that he will perform all the work and furnish all the materials and equipment, and provide all labor, services, plant, machinery, apparatus, appliances, tools, supplies and all other things required in the manner and time prescribed and according to the requirements of the Town as therein set forth, and that he will take in full payment therefore the lump sum or unit price applicable to each item of work.

**PART 1 - GENERAL**

**1.1 SCOPE**

- A. Payment for the items specified in the Bid Schedule, shall include compensation for furnishing all labor, tools, equipment, supplies, and manufactured articles, and for all operations, and incidentals appurtenant to the items of work described, to complete the various items of the Work, all in accordance with the requirements of the Contract Documents, Addendum, and other Modifications issued by and approved by the Town, including all costs for permits, compliance with the regulations of public agencies having jurisdiction, including Safety and Health Requirements of the Occupational Safety and Health Administration of the U.S. Department of Labor (OSHA). The prices named in the Bid Schedule shall include all Work items described or implied in the Contract Documents, Addendum, and other Modifications issued by and approved by the Town, and all other Work items necessary to manufacture, install, test, and start-up a complete working project.
- B. Work items to be included in the Bid Schedule prices, not included for separate payment elsewhere include, but are not limited to:

Preconstruction videos and photographs; construction photographs;

Excavation: exploratory excavations and test pits; handling and disposal of unsuitable materials; additional excavation; temporary excavation support;

Furnishing and installing filter fabric, mulch sock, and silt fence as required around stockpiles, in catch basins, and along excavation;

Tree pruning, protection and maintenance;

Dust control;

Sweeping and removing snow from streets and sidewalks where work is ongoing;

Transporting trash and recyclables out of the work area if municipal pickup is hindered;

Arranging and coordinating police details; Town will pay the cost of police details directly. Contractor is responsible for cancelling police details 2 hours before they are to report to work site if work is cancelled or contractor is responsible for payment.

Traffic regulation, control, pedestrian and vehicular protection;

Cold patch or “temporary” bituminous paving for traffic control, safety, or other use as directed by the Town;

Attend Town and neighborhood meetings if required;

Clean-up and restoration of all surface features not included for payment elsewhere;

Remove and reset all signs, bollards, benches, fences, posts, poles, and all other surface features on public and private property which may need to be removed for construction;

Grind and remove all existing pavement markings where indicated or as directed;

Replace all property boundary markers (bounds) disturbed by construction operations, bounds to be relocated by a land surveyor registered in the State of Massachusetts;

Haul all pavement grinding, milling, or cold planing materials to the DPW facility at the request of the Town or dispose of materials at other legal facility;

Provide all required traffic and pedestrian controls including barrels, cones, signs, barricades, flaggers, cold patch ramps, temporary line striping;

- C. The Contractor and Subcontractors shall not take advantage of any apparent error or omission on the Contract Documents. They shall be permitted to make corrections and interpretations as may be deemed necessary for fulfillment of the intent of the Contract Documents at no additional cost to the Town. The Town reserves the right to reject any and all bids and waive any informality.
- D. The term furnish means supply and deliver to the Project site, including the actual unloading, unpacking, assembly, erection, placing, installation, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations, unless stated otherwise.

## 1.2 MEASUREMENT FOR PAYMENT

- A. Work completed to date, measured as a percentage of the total Work, shall be submitted by the Contractor and substantiated as required by the Town.
- B. The Town will review the submittal for completeness and verification.
  - 1. Include a checklist of completed items; only signed-off items will be considered for payment.
  - 2. Include red-lined drawings indicating degree of completion.
- C. Unit Price Items: Measurement for payment shall be based upon the measured quantity as described in this measurement and payment section.

- D. Measurement of Materials: All delivery slips for materials to be paid by weight must be submitted on automated printed tickets. Hand-written tonnage slips will not be accepted. All deliver slips must be signed by the Town and a copy of each slip must be given to the Town at the time each load is delivered. Each slip must contain the following information:
1. The gross weight of each load.
  2. The net weight of the load.
  3. The tare weight of the vehicle.
  4. The time of day upon leaving the plant.
- E. Payment requisitions by the Contractor to the Town shall be broken down by Street so the Town can evaluate and process requisitions on a street-by-street basis.

## PART 2 – ITEM DESCRIPTIONS

### Item No. 1 – Stripping and Disposing Existing Pavement, Sidewalk, Curb, and Subbase Materials

#### A. Measurement

Measurement for payment will be based on the actual square yards of surface area stripped, fine grade and compact d and compacted measured by the Town. Removal and disposal of pavement, curb, sidewalk, and subbase materials as required in other Bid Items including road base repairs, road base preparation, reclaiming and cold planing and within areas disturbed by construction will not be measured for payment. Furnishing and installing gravel subbase will be measured under Item No. 2. Stripping and disposing materials outside the project area without prior authorization from the Town will not be measured for payment.

Payment for Item No. 1 – Stripping and Disposing Existing Pavement, Sidewalk, Curb, and Subbase Materials will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to strip and dispose existing pavement, curb, sidewalk and pavement subbase materials; and grade and compact subgrade as directed by the Town. The work includes all items included in this Section's Paragraph 1.1B, above, as well as saw-cutting existing pavement and sidewalks at project limits as directed; protection of all existing castings and valve and service boxes from damage or accumulating debris, removal and replacement of castings and boxes if required, cleaning of all structures to remove construction debris; excavation, removal, and disposal of pavement, curbs, sidewalk, concrete, unsuitable pavement subbase and subgrade as determined by the Town based on review of sieve analysis testing done by Contractor as directed by the Town, and all soils within project limits to a minimum depth of 12-inches below existing pavement grades; collection of samples and sieve analysis testing of existing subbase and subgrade materials as directed by the Town; protection of existing trees and tree roots to remain within project area, protecting, supporting, and replacing overhead utilities and buried utilities, repair of any

utility lines and services broken during construction; fine grading and compacting remaining subgrade subbase to meet existing grades, allowing 8½-inches of new gravel subbase in areas to be paved and 6-inches of new gravel subbase in all other areas as directed by the Town, and all work incidental thereto and all work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
1	\$ _____ per SY (Square Yard)	_____ 100 SY	\$ _____

#### Item No. 2 – Furnish and Install Gravel Subbase

Measurement for payment will be based on the actual cubic yards of gravel subbase furnished, installed, spread, fine grade and compact d, and compacted outside the areas disturbed by construction as directed and measured by the Town based on certified weight slips produced by the Contractor after each truckload measured for payment and laboratory results for compacted soil density. Furnishing, installing, spreading, and compacting gravel subbase as required in other Bid Items within the trench limit of payment and areas disturbed by construction will not be measured for payment. Furnishing and installing gravel subbase outside the project area without prior authorization from the Town will not be measured for payment.

Payment for Item No. 2 – Furnish and Install Gravel Subbase will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to furnish, install, spread, grade and compact gravel subbase as directed by the Town. The work includes all items included in this Section's Paragraph 1.1B, above, as well as protection of all existing castings and valve and service boxes from damage or accumulating debris, removal and replacement of castings and boxes if required, cleaning of all structures to remove construction debris; protection of existing trees to remain within project area, protecting, supporting, and replacing overhead utilities and buried utilities, repair of any utility lines and services broken during construction; furnishing, hauling, delivery, spreading, compaction, and compaction testing of new gravel subbase so a minimum 6-inch thickness of suitable gravel subbase as determined by the Town exists in all areas and 8½-inch thickness of suitable gravel subbase as determined by the Town exists under proposed pavement; fine grading and compacting suitable gravel subbase to meet final sidewalk, and pavement grades, allowing for 3½-inch pavement thickness, and as directed by the Town; and all work incidental thereto and all work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
2	\$ _____ per CY (Cubic Yard)	$\frac{25}{\text{CY}}$	\$ _____

Item No. 3 – Install Cement Concrete Sidewalks

A. Measurement

Measurement for payment will be based on the actual square yards of cement concrete sidewalk installed complete and as measured by the Town. The Contractor will not be compensated for removing and replacing concrete sidewalks damaged during construction outside the work limits.

B. Payment

Payment for Item No. 3 – Install Cement Concrete Sidewalks will be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to replace or install concrete sidewalks, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting, removal and disposal of cut-back sidewalk or pavement, restoring and re-grading the gravel base course, compaction; raising and resetting of existing castings and boxes to grade, power sweeping; installation of minimum 4-inch minimum thickness cement concrete sidewalks with mesh or fiber reinforcement as directed, constructing concrete sidewalks in accordance with ADA requirements, finishing, expansion joints; backing up edges of concrete with gravel, removal and resetting of all existing appurtenances including but not limited to signs, bollards, gate boxes and castings not measured elsewhere for payment, and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
3	\$ _____ per SY (Square Yard)	$\frac{200}{\text{SY}}$	\$ _____

Item No. 4 – Install Monolithic Bituminous Concrete Curb Sidewalk

Measurement for payment will be based on the actual square yards of bituminous concrete sidewalk and monolithic curbs installed complete and as measured by the Town. The Contractor will not be compensated for removing and replacing sidewalks damaged during construction outside the work limits.

Payment for Item No. 4 – Install Monolithic Bituminous Concrete Curb Sidewalks will be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to install bituminous concrete sidewalks with monolithic bituminous concrete curbs, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting, removal and disposal of cut-back sidewalk or pavement materials, restoring and re-grading the gravel base course, compaction; raising and resetting of existing castings and boxes to grade; installation of minimum 3-inch minimum thickness bituminous concrete sidewalks as directed, in accordance with ADA requirements, finishing; backing up edges of sidewalk with gravel, removal and resetting of all existing appurtenances including but not limited to signs, bollards, gate boxes and castings not measured elsewhere for payment, and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
4	\$ _____ per SY (Square Yard)	_____ 50 SY	\$ _____

Item No. 5 – Install Cement Concrete Wheelchair Ramps and Driveway Crossings

Measurement for payment will be based on the actual square yards of cement concrete sidewalk installed for driveway crossing sidewalks and ADA ramps complete as directed and as measured by the Town. The Contractor will not be compensated for removing and replacing concrete sidewalks damaged during construction outside work limits.

Payment for Item No. 5 – Install Cement Concrete Wheelchair Ramps and Driveway Crossings will be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to replace or install concrete sidewalks across driveways and ADA ramps, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting and disposal of cut-back sidewalk and pavement materials, restoring and re-grading the gravel base course, compaction; removal and resetting of existing castings and boxes to grade, installation of minimum 6-inch minimum thickness cement concrete sidewalks with mesh or fiber reinforcement as directed, constructing concrete sidewalks in accordance with ADA requirements, furnishing and

installing ADA pads, furnishing and installing concrete curb(s) as required, finishing, installing expansion joints; removal and resetting of all existing appurtenances including but not limited to signs, bollards, gate boxes and castings not measured elsewhere for payment, power sweeping, and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
5	\$ _____ per SY (Square Yard)	_____ 100 SY	\$ _____

Item No. 6 – Furnish and Install Bituminous Concrete Curb/Berm

Measurement for payment will be based on the actual length of bituminous cement concrete curb/berm installed complete as directed and as measured by the Town. The Contractor will not be compensated for removing and replacing bituminous curb/berm damaged during construction outside the work limits.

Payment for Item No. 6 – Furnish and Install Bituminous Concrete Curb/Berm will be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to replace or install bituminous concrete curb/berm, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting and disposal of cut-back asphalt as required, excavation of existing soil materials, power sweeping; installation of bituminous concrete curb installed by machine with mold/shape selected by the Town; installation of tack coat before installation and along joint afterwards if overlay pavement is not installed afterwards; backing up curbing with gravel or loam as directed; and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
6	\$ _____ per LF (Linear Foot)	_____ 100 LF	\$ _____

Item No. 7 – Remove and Stack Granite Curb



Measurement for payment will be based on the actual linear feet of straight and curved granite curb removed, delivered, and stacked at a location directed and measured by the Town along the long end of straight curb or around the outer radius of the curved curb. Granite curb removed but not selected by the Town for salvage or curb broken during construction will not be measured for payment.

Payment for Item No. 7 – Remove and Stack Granite Curb shall be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to remove, deliver, and stack straight and curved granite curb complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting pavement, excavation, removal and disposal of existing pavement and concrete curb encasement and backfill, removal of curb, cleaning dirt and concrete from all curb selected by the Town for salvage, delivery and stacking of salvaged curb at a location directed by the Town, disposal of all granite curb broken during construction or not selected by the Town for salvage, all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
7	\$ _____ per LF (Linear Foot)	_____ 100 LF	\$ _____

Item No. 8 – Remove and Reset Straight Granite Curb

Measurement for payment will be based on the actual linear feet of straight granite curb removed and reset as directed and measured by the Town. The Contractor will brace, protect, and leave in place granite curb wherever possible and during service trenching and installation. The Contractor will not be compensated for removal and resetting granite curb broken by the Contractor during construction.

Payment for Item No. 8 – Remove and Reset Straight Granite Curbing will be based on the unit price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to remove, protect, store and reset straight or curved sections of granite curb at the same grade or proposed grade including tapered sections, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1B, above, as well as removing, protecting, storing, and resetting granite curb, saw-cutting, removing and disposing of existing subgrade and subbase providing and compacting suitable base material, placement and alignment of curb, concrete encasement and backfill around curbs as shown on details, and all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
8	\$ _____ per LF (Linear Foot)	_____100_____ LF	\$ _____

Item No. 9 – Furnish and Install Straight Granite Curb

Measurement for payment will be based on the actual linear feet of straight granite curb provided and installed complete as measured by the Town along the line of installation. Straight granite curb furnished and installed to replace straight granite curb broken during construction will not be measured for payment.

Payment for Item No. 9 –Furnish and Install Straight Granite Curb shall be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to provide, protect, store and install straight sections of granite complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as providing, protecting, storing, and installing straight (6"x18" Type VA-4) granite curb (including tapered sections and curb inlet sections around catch basins) at the proposed grade and as directed; including saw-cutting pavement, excavation, removal and disposal of existing pavement and concrete curb encasement and backfill, removal and disposal of existing subgrade and subbase, providing and compacting suitable base material, placement and alignment of curb, installing concrete encasement and backfill around curbs as shown on details, removal and replacement of existing subbase with 6-inch minimum thickness of new gravel subbase within disturbed areas, and all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
9	\$ _____ per LF (Linear Foot)	_____100_____ LF	\$ _____

Item No. 10 – Remove and Reset Curved Granite Curb

Measurement for payment will be based on the actual linear feet of curved granite curb removed and reset as directed and measured by the Town around the outer radius of the curve. The Contractor will brace, protect, and leave in place granite curb wherever possible and during service trenching and installation. The Contractor will not be compensated for removal and resetting of granite curbing for service trenching and installation if removal is not necessary in the opinion of the Town. The Contractor will not be compensated for removal and resetting granite curb broken by the Contractor during construction.

Payment for Item No. 10 – Remove and Reset Curved Granite Curbing will be based on the unit price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to remove, protect, store and reset straight or curved sections of granite curb at the same grade or proposed grade including tapered sections, complete as directed by the Town. The work includes all items included in this Section’s Paragraph 1.1B, above, as well as removing, protecting, storing, and resetting granite curb, saw-cutting, removing and disposing of existing subgrade and subbase providing and compacting suitable base material, placement and alignment of curb, concrete encasement and backfill around curbs as shown on details, and all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
10	\$ _____ per LF (Linear Foot)	50 LF	\$ _____

Item No. 11 –Furnish and Install Curved Granite Curb

Measurement for payment will be based on the actual linear feet of curved granite curb provided and installed complete as measured by the Town around the outer radius of the curve. Curved granite curb furnished and installed to replace curved granite curb broken during construction will not be measured for payment.

Payment for Item No. 11 –Furnish and Install Curved Granite Curb shall be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to provide, protect, store and install curved sections of granite complete as directed by the Town. The work includes all items included in this Section’s Paragraph 1.1.B, above, as well as providing, protecting, storing, and installing (6”x18” Type VA-4) granite curb of varied radius (including tapered sections, driveway returns, or “D/bullnose” curb cut boundary sections of curb as directed by Town) at the proposed grade and as directed; including saw-cutting pavement, excavation, removal and disposal of existing pavement and concrete curb encasement and

backfill, removal and disposal of existing subgrade and subbase, providing and compacting suitable base material, placement and alignment of curb, installing concrete encasement and backfill around curbs as shown on details, removal and replacement of existing subbase with 6-inch minimum thickness of new gravel subbase within disturbed areas, and all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
11	\$ _____ per LF (Linear Foot)	50 LF	\$ _____

Item No. 12 – 3 to 3½-inch Bituminous Concrete Sidewalks

Measurement for payment will be based on the actual tonnage of 3 to 3½-inch minimum compacted thickness permanent bituminous concrete sidewalks installed as directed and approved by the Town based on certified weight slips and Towns calculations to confirm yield. The Contractor will not be compensated for removing and replacing concrete or bituminous concrete sidewalks damaged during construction outside the work limits.

Payment for Item No. 12 – 3 to 3½-inch Bituminous Concrete Sidewalk will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to furnish and install 3 to 3½-inch minimum compacted thickness (as directed) of permanent bituminous concrete sidewalks as directed and measured by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting, fine grading subbase; removal and disposal of cut-back sidewalks or pavement; restoring and re-grading the gravel base course, compaction; raising and resetting existing castings and boxes to grade; power sweeping, applying tack coat to saw cut pavement edges; installation of 3 or 3½-inch minimum compacted thickness (as directed) of bituminous concrete sidewalk; application of emulsion to entire surface prior to each binder course and to surface joints after paving is completed; backing up edges of pavement with gravel; and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
12	\$ _____ per Per TON	$\frac{100}{\text{TONS}}$	\$ _____

Item No. 13 – Hot Mix Asphalt Intermediate & Top

Measurement for payment will be based on the actual tonnage of 3 to 3½-inch minimum compacted thickness permanent bituminous concrete installed as directed and approved by the Town based on certified weight slips and Towns calculations to confirm yield. The Contractor will not be compensated for removing and replacing concrete or bituminous concrete damaged during construction outside the work limits.

Payment for Item No. 13 – Hot Mix Asphalt Intermediate & Top will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to furnish and install 3 to 3½-inch minimum compacted thickness (as directed) of permanent bituminous concrete sidewalks as directed and measured by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting, fine grading subbase; removal and disposal of cut-back sidewalks or pavement; restoring and re-grading the gravel base course, compaction; raising and resetting existing castings and boxes to grade; power sweeping, applying tack coat to saw cut pavement edges; installation of 3 or 3½-inch minimum compacted thickness (as directed) of bituminous concrete; application of emulsion to entire surface prior to each binder course and to surface joints after paving is completed; backing up edges of pavement with gravel; and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
13	\$ _____ per Per TON	$\frac{400}{\text{TONS}}$	\$ _____

**END OF SECTION**

While every effort has been made to provide accurate estimates, the material and work quantities are subject to change due to emerging site conditions and project requirements.

**TOWN OF XXXXXX, MASSACHUSETTS  
STREET AND SIDEWALK PATCHING & ASSORTED WORK  
SECTION TWO BID SPECIFICATIONS**

The quantities of work tabulated in this Bid or indicated on the Details or in Specifications or other Contract Documents are only approximate and are subject to increase or decrease as deemed necessary by the Town and the undersigned agrees that, if this Bid is accepted he will contract with the Town, as provided in the copy of the Contract Documents in this Bid Form being part of said Contract, and that he will perform all the work and furnish all the materials and equipment, and provide all labor, services, plant, machinery, apparatus, appliances, tools, supplies and all other things required in the manner and time prescribed and according to the requirements of the Town as therein set forth, and that he will take in full payment therefore the lump sum or unit price applicable to each item of work.

**PART 1 - GENERAL**

**1.2 SCOPE**

- E. Payment for the items specified in the Bid Schedule, shall include compensation for furnishing all labor, tools, equipment, supplies, and manufactured articles, and for all operations, and incidentals appurtenant to the items of work described, to complete the various items of the Work, all in accordance with the requirements of the Contract Documents, Addendum, and other Modifications issued by and approved by the Town, including all costs for permits, compliance with the regulations of public agencies having jurisdiction, including Safety and Health Requirements of the Occupational Safety and Health Administration of the U.S. Department of Labor (OSHA). The prices named in the Bid Schedule shall include all Work items described or implied in the Contract Documents, Addendum, and other Modifications issued by and approved by the Town, and all other Work items necessary to manufacture, install, test, and start-up a complete working project.
- F. Work items to be included in the Bid Schedule prices, not included for separate payment elsewhere include, but are not limited to:
  - Preconstruction videos and photographs; construction photographs;
  - Excavation: exploratory excavations and test pits; handling and disposal of unsuitable materials; additional excavation; temporary excavation support;
  - Furnishing and installing filter fabric, mulch sock, and silt fence as required around stockpiles, in catch basins, and along excavation;
  - Tree pruning, protection and maintenance;
  - Dust control;
  - Sweeping and removing snow from streets and sidewalks where work is ongoing;
  - Transporting trash and recyclables out of the work area if municipal pickup is hindered;

Arranging and coordinating police details; Town will pay the cost of police details directly. Contractor is responsible for cancelling police details 2 hours before they are to report to work site if work is cancelled or contractor is responsible for payment.

Traffic regulation, control, pedestrian and vehicular protection;

Cold patch or “temporary” bituminous paving for traffic control, safety, or other use as directed by the Town;

Attend Town and neighborhood meetings if required;

Clean-up and restoration of all surface features not included for payment elsewhere;

Remove and reset all signs, bollards, benches, fences, posts, poles, and all other surface features on public and private property which may need to be removed for construction;

Grind and remove all existing pavement markings where indicated or as directed;

Replace all property boundary markers (bounds) disturbed by construction operations, bounds to be relocated by a land surveyor registered in the State of Massachusetts;

Haul all pavement grinding, milling, or cold planing materials to the DPW facility at the request of the Town or dispose of materials at other legal facility;

Provide all required traffic and pedestrian controls including barrels, cones, signs, barricades, flaggers, cold patch ramps, temporary line striping;

- G. The Contractor and Subcontractors shall not take advantage of any apparent error or omission on the Contract Documents. They shall be permitted to make corrections and interpretations as may be deemed necessary for fulfillment of the intent of the Contract Documents at no additional cost to the Town. The Town reserves the right to reject any and all bids and waive any informality.
- H. The term furnish means supply and deliver to the Project site, including the actual unloading, unpacking, assembly, erection, placing, installation, anchoring, applying, working to dimension, finishing, curing, protecting, cleaning, and similar operations, unless stated otherwise.

## 1.2 MEASUREMENT FOR PAYMENT

- A. Work completed to date, measured as a percentage of the total Work, shall be submitted by the Contractor and substantiated as required by the Town.
- B. The Town will review the submittal for completeness and verification.
  - 3. Include a checklist of completed items; only signed-off items will be considered for payment.
  - 4. Include red-lined drawings indicating degree of completion.
- F. Unit Price Items: Measurement for payment shall be based upon the measured quantity as described in this measurement and payment section.

G. Measurement of Materials: All delivery slips for materials to be paid by weight must be submitted on automated printed tickets. Hand-written tonnage slips will not be accepted. All deliver slips must be signed by the Town and a copy of each slip must be given to the Town at the time each load is delivered. Each slip must contain the following information:

1. The gross weight of each load.
2. The net weight of the load.
3. The tare weight of the vehicle.
4. The time of day upon leaving the plant.

H. Payment requisitions by the Contractor to the Town shall be broken down by Street so the Town can evaluate and process requisitions on a street-by-street basis.

## PART 2 – ITEM DESCRIPTIONS

### **Item No. 1 – Pave/Road Base Reclaim**

Payment for Item No. 1 – Pave/Road Base Reclaim All labor, equipment and materials required for satisfactory reclaiming of existing surfaces, and any incidental work needed to blend additional material if needed to the roadway shall be included in the contract unit price bid for this item.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
1	\$ _____ per SY (Square Yard)	_____ 3,2000 _____ SY	\$ _____

### **Item No. 2 – Asphalt Excavation Cold Planing**

Payment for Item No. 2 – Asphalt Excavation Cold Planing All labor, equipment and materials required for satisfactory milling/cold planing of existing surfaces, and any incidental work needed to remove any/all access material from the roadway shall be included in the contract unit price bid for this item.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
2	\$ _____ per	_____ 50,000 _____ SY	\$ _____



	SY (Square Yard)		
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**Item No. 3 – Base Pavement Repairs (Leveling Course)**

The work to be done under this item shall be as directed by the DPW Director or his designee, areas of existing pavement and pavement patches that are settled, loose, rocking or excessively deteriorated shall be removed and replaced with an equivalent depth of hot mix asphalt, binder or top course, before placement of the pavement overlay. After removal of the existing pavement or pavement patch, the underlying sub-base material shall be graded to provide a uniform pavement replacement depth and compacted to not less than 95 percent of the maximum dry density of the material before placement of the new hot mix asphalt material. The edges of the existing pavement in removal areas shall be sawcut to provide a vertical uniform face and shall be sprayed or painted with a uniform thin coat of RS-1 asphalt emulsion immediately before placement of the new hot mix asphalt material.

Payment for Item No. 3 – Base Pavement Repairs (Leveling Course)

All labor, equipment and materials required for satisfactory leveling of existing surfaces using hot mix asphalt, and any incidental work needed to properly prepare the existing surfaces to allow the leveling course to be properly installed shall be included in the contract unit price bid for this item.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
3	\$ _____ per Per TON	<u>400</u> TONS	\$ _____

**Item No. 4 – Hot Mix Asphalt Intermediate & Top**

Measurement for payment will be based on the actual tonnage of 3 to 3½-inch minimum compacted thickness permanent bituminous concrete installed as directed and approved by the Town based on certified weight slips and Towns calculations to confirm yield. The Contractor will not be compensated for removing and replacing concrete or bituminous concrete damaged during construction outside the work limits.

Payment for Item No. 4 – Hot Mix Asphalt Intermediate & Top will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to furnish and install 3 to 3½-inch minimum compacted thickness (as directed) of permanent bituminous concrete

sidewalks as directed and measured by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting, fine grading subbase; removal and disposal of cut-back sidewalks or pavement; restoring and re-grading the gravel base course, compaction; raising and resetting existing castings and boxes to grade; power sweeping, applying tack coat to saw cut pavement edges; installation of 3 or 3½-inch minimum compacted thickness (as directed) of bituminous concrete; application of emulsion to entire surface prior to each binder course and to surface joints after paving is completed; backing up edges of pavement with gravel; and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
4	\$ _____ per Per TON	2000 TONS	\$ _____

**Item No. 5 – Stripping and Disposing Existing Pavement, Sidewalk, Curb, and Subbase Materials**

A. Measurement

Measurement for payment will be based on the actual square yards of surface area stripped, fine grade and compact d and compacted measured by the Town. Removal and disposal of pavement, curb, sidewalk, and subbase materials as required in other Bid Items including road base repairs, road base preparation, reclaiming and cold planing and within areas disturbed by construction will not be measured for payment. Furnishing and installing gravel subbase will be measured under Item No. 2. Stripping and disposing materials outside the project area without prior authorization from the Town will not be measured for payment.

Payment for Item No. 5 – Stripping and Disposing Existing Pavement, Sidewalk, Curb, and Subbase Materials will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to strip and dispose existing pavement, curb, sidewalk and pavement subbase materials; and grade and compact subgrade as directed by the Town. The work includes all items included in this Section's Paragraph 1.1B, above, as well as saw-cutting existing pavement and sidewalks at project limits as directed; protection of all existing castings and valve and service boxes from damage or accumulating debris, removal and replacement of castings and boxes if required, cleaning of all structures to remove construction debris; excavation, removal, and disposal of pavement, curbs, sidewalk, concrete, unsuitable pavement subbase and subgrade as determined by the Town based on review of sieve analysis testing done by Contractor as directed by the Town, and all soils

within project limits to a minimum depth of 12-inches below existing pavement grades; collection of samples and sieve analysis testing of existing subbase and subgrade materials as directed by the Town; protection of existing trees and tree roots to remain within project area, protecting, supporting, and replacing overhead utilities and buried utilities, repair of any utility lines and services broken during construction; fine grading and compacting remaining subgrade subbase to meet existing grades, allowing 8½-inches of new gravel subbase in areas to be paved and 6-inches of new gravel subbase in all other areas as directed by the Town, and all work incidental thereto and all work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
5	\$ _____ per SY (Square Yard)	_____ 1000 SY	\$ _____

**Item No. 6 – Furnish and Install Gravel Sub-base.**

Measurement for payment will be based on the actual cubic yards of gravel subbase furnished, installed, spread, fine grade and compact d, and compacted outside the areas disturbed by construction as directed and measured by the Town based on certified weight slips produced by the Contractor after each truckload measured for payment and laboratory results for compacted soil density. Furnishing, installing, spreading, and compacting gravel subbase as required in other Bid Items within the trench limit of payment and areas disturbed by construction will not be measured for payment. Furnishing and installing gravel subbase outside the project area without prior authorization from the Town will not be measured for payment.

Payment for Item No. 6 – Furnish and Install Gravel Subbase will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to furnish, install, spread, grade and compact gravel subbase as directed by the Town. The work includes all items included in this Section's Paragraph 1.1B, above, as well as protection of all existing castings and valve and service boxes from damage or accumulating debris, removal and replacement of castings and boxes if required, cleaning of all structures to remove construction debris; protection of existing trees to remain within project area, protecting, supporting, and replacing overhead utilities and buried utilities, repair of any utility lines and services broken during construction; furnishing, hauling, delivery, spreading, compaction, and compaction testing of new gravel subbase so a minimum 6-inch thickness of suitable gravel subbase as determined by the Town exists in all areas and 8½-inch thickness of suitable gravel subbase as determined by the Town exists under proposed pavement; fine grading and

compacting suitable gravel subbase to meet final sidewalk, and pavement grades, allowing for 3½-inch pavement thickness, and as directed by the Town; and all work incidental thereto and all work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
6	\$ _____ per CY (Cubic Yard)	250 CY	\$ _____

**Item No. 7 – Install Cement Concrete Sidewalks**

A. Measurement

Measurement for payment will be based on the actual square yards of cement concrete sidewalk installed complete and as measured by the Town. The Contractor will not be compensated for removing and replacing concrete sidewalks damaged during construction outside the work limits.

B. Payment

Payment for Item No. 7 – Install Cement Concrete Sidewalks will be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to replace or install concrete sidewalks, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting, removal and disposal of cut-back sidewalk or pavement, restoring and re-grading the gravel base course, compaction; raising and resetting of existing castings and boxes to grade, power sweeping; installation of minimum 4-inch minimum thickness cement concrete sidewalks with mesh or fiber reinforcement as directed, constructing concrete sidewalks in accordance with ADA requirements, finishing, expansion joints; backing up edges of concrete with gravel, removal and resetting of all existing appurtenances including but not limited to signs, bollards, gate boxes and castings not measured elsewhere for payment, and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
7	\$ _____ per SY	1000 SY	\$ _____

	SY (Square Yard)		
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**Item No. 8 – Install Monolithic Bituminous Concrete Curb Sidewalk**

Measurement for payment will be based on the actual square yards of bituminous concrete sidewalk and monolithic curbs installed complete and as measured by the Town. The Contractor will not be compensated for removing and replacing sidewalks damaged during construction outside the work limits.

Payment for Item No. 8 – Install Monolithic Bituminous Concrete Curb Sidewalks will be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to install bituminous concrete sidewalks with monolithic bituminous concrete curbs, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting, removal and disposal of cut-back sidewalk or pavement materials, restoring and re-grading the gravel base course, compaction; raising and resetting of existing castings and boxes to grade; installation of minimum 3-inch minimum thickness bituminous concrete sidewalks as directed, in accordance with ADA requirements, finishing; backing up edges of sidewalk with gravel, removal and resetting of all existing appurtenances including but not limited to signs, bollards, gate boxes and castings not measured elsewhere for payment, and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
8	\$ _____ per SY (Square Yard)	_____ 500 _____ SY	\$ _____

**Item No. 9 – Install Cement Concrete Wheelchair Ramps and Driveway Crossings**

Measurement for payment will be based on the actual square yards of cement concrete sidewalk installed for driveway crossing sidewalks and ADA ramps complete as directed and as measured by the Town. The Contractor will not be compensated for removing and replacing concrete sidewalks damaged during construction outside work limits.

Payment for Item No. 9 – Install Cement Concrete Wheelchair Ramps and Driveway Crossings will be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to replace or install concrete sidewalks across driveways and ADA ramps, complete as directed by the Town. The work includes all items included in this Section's

Paragraph 1.1.B, above, as well as saw-cutting and disposal of cut-back sidewalk and pavement materials, restoring and re-grading the gravel base course, compaction; removal and resetting of existing castings and boxes to grade, installation of minimum 6-inch minimum thickness cement concrete sidewalks with mesh or fiber reinforcement as directed, constructing concrete sidewalks in accordance with ADA requirements, furnishing and installing ADA pads, furnishing and installing concrete curb(s) as required, finishing, installing expansion joints; removal and resetting of all existing appurtenances including but not limited to signs, bollards, gate boxes and castings not measured elsewhere for payment, power sweeping, and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
9	\$_____ per SY (Square Yard)	400 SY	\$_____

**Item No. 10 – Furnish and Install Bituminous Concrete Curb/Berm**

Measurement for payment will be based on the actual length of bituminous cement concrete curb/berm installed complete as directed and as measured by the Town. The Contractor will not be compensated for removing and replacing bituminous curb/berm damaged during construction outside the work limits.

Payment for Item No. 10 – Furnish and Install Bituminous Concrete Curb/Berm will be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to replace or install bituminous concrete curb/berm, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting and disposal of cut-back asphalt as required, excavation of existing soil materials, power sweeping; installation of bituminous concrete curb installed by machine with mold/shape selected by the Town; installation of tack coat before installation and along joint afterwards if overlay pavement is not installed afterwards; backing up curbing with gravel or loam as directed; and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
10	\$ _____ per LF (Linear Foot)	_____1000_____ LF	\$ _____

### **Item No. 11 – Remove and Stack Granite Curb**

Measurement for payment will be based on the actual linear feet of straight and curved granite curb removed, delivered, and stacked at a location directed and measured by the Town along the long end of straight curb or around the outer radius of the curved curb. Granite curb removed but not selected by the Town for salvage or curb broken during construction will not be measured for payment.

Payment for Item No. 11 – Remove and Stack Granite Curb shall be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to remove, deliver, and stack straight and curved granite curb complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting pavement, excavation, removal and disposal of existing pavement and concrete curb encasement and backfill, removal of curb, cleaning dirt and concrete from all curb selected by the Town for salvage, delivery and stacking of salvaged curb at a location directed by the Town, disposal of all granite curb broken during construction or not selected by the Town for salvage, all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
11	\$ _____ per LF (Linear Foot)	_____200_____ LF	\$ _____

### **Item No. 12 – Remove and Reset Straight Granite Curb**

Measurement for payment will be based on the actual linear feet of straight granite curb removed and reset as directed and measured by the Town. The Contractor will brace, protect, and leave in place granite curb wherever possible and during service trenching and installation. The Contractor will not be compensated for removal and resetting granite curb broken by the Contractor during construction.

Payment for Item No. 12 – Remove and Reset Straight Granite Curbing will be based on the unit price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to remove, protect, store and reset straight or curved sections of granite curb at the same grade or proposed grade including tapered sections, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1B, above, as well as removing, protecting, storing, and resetting granite curb, saw-cutting, removing and disposing of existing subgrade and subbase providing and compacting suitable base material, placement and alignment of curb, concrete encasement and backfill around curbs as shown on details, and all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
12	\$ _____ per LF (Linear Foot)	400 LF	\$ _____

**Item No. 13 – Furnish and Install Straight Granite Curb**

Measurement for payment will be based on the actual linear feet of straight granite curb provided and installed complete as measured by the Town along the line of installation. Straight granite curb furnished and installed to replace straight granite curb broken during construction will not be measured for payment.

Payment for Item No. 13 –Furnish and Install Straight Granite Curb shall be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to provide, protect, store and install straight sections of granite complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as providing, protecting, storing, and installing straight (6"x18" Type VA-4) granite curb (including tapered sections and curb inlet sections around catch basins) at the proposed grade and as directed; including saw-cutting pavement, excavation, removal and disposal of existing pavement and concrete curb encasement and backfill, removal and disposal of existing subgrade and subbase, providing and compacting suitable base material, placement and alignment of curb, installing concrete encasement and backfill around curbs as shown on details, removal and replacement of existing subbase with 6-inch minimum thickness of new gravel subbase within disturbed areas, and all incidental work not included for payment elsewhere.



ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
13	\$ _____ per LF (Linear Foot)	400 LF	\$ _____

#### **Item No. 14 – Remove and Reset Curved Granite Curb**

Measurement for payment will be based on the actual linear feet of curved granite curb removed and reset as directed and measured by the Town around the outer radius of the curve. The Contractor will brace, protect, and leave in place granite curb wherever possible and during service trenching and installation. The Contractor will not be compensated for removal and resetting of granite curbing for service trenching and installation if removal is not necessary in the opinion of the Town. The Contractor will not be compensated for removal and resetting granite curb broken by the Contractor during construction.

Payment for Item No. 14 – Remove and Reset Curved Granite Curbing will be based on the unit price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to remove, protect, store and reset straight or curved sections of granite curb at the same grade or proposed grade including tapered sections, complete as directed by the Town. The work includes all items included in this Section's Paragraph 1.1B, above, as well as removing, protecting, storing, and resetting granite curb, saw-cutting, removing and disposing of existing subgrade and subbase providing and compacting suitable base material, placement and alignment of curb, concrete encasement and backfill around curbs as shown on details, and all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
14	\$ _____ per LF (Linear Foot)	400 LF	\$ _____

#### **Item No. 15 –Furnish and Install Curved Granite Curb**

Measurement for payment will be based on the actual linear feet of curved granite curb provided and installed complete as measured by the Town around the outer radius of the curve. Curved granite curb furnished and installed to replace curved granite curb broken during construction will not be measured for payment.

Payment for Item No. 15 –Furnish and Install Curved Granite Curb shall be based on the Unit Price bid for this item in the proposal. Under the Unit Price bid for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to provide, protect, store and install curved sections of granite complete as directed by the Town. The work includes all items included in this Section’s Paragraph 1.1.B, above, as well as providing, protecting, storing, and installing (6”x18” Type VA-4) granite curb of varied radius (including tapered sections, driveway returns, or “D/bullnose” curb cut boundary sections of curb as directed by Town) at the proposed grade and as directed; including saw-cutting pavement, excavation, removal and disposal of existing pavement and concrete curb encasement and backfill, removal and disposal of existing subgrade and subbase, providing and compacting suitable base material, placement and alignment of curb, installing concrete encasement and backfill around curbs as shown on details, removal and replacement of existing subbase with 6-inch minimum thickness of new gravel subbase within disturbed areas, and all incidental work not included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
15	\$ _____ per LF (Linear Foot)	400 LF	\$ _____

**Item No. 16 – 3 to 3½-inch Bituminous Concrete Sidewalks**

Measurement for payment will be based on the actual tonnage of 3 to 3½-inch minimum compacted thickness permanent bituminous concrete sidewalks installed as directed and approved by the Town based on certified weight slips and Towns calculations to confirm yield. The Contractor will not be compensated for removing and replacing concrete or bituminous concrete sidewalks damaged during construction outside the work limits.

Payment for Item No. 16 – 3 to 3½-inch Bituminous Concrete Sidewalk will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to furnish and install 3 to 3½-inch minimum compacted thickness (as directed) of permanent bituminous concrete sidewalks as directed and measured by the Town. The work includes all items included in this Section’s Paragraph 1.1.B, above, as well as saw-cutting, fine grading subbase; removal and disposal of cut-back sidewalks or pavement; restoring and re-grading the gravel base course, compaction; raising and resetting existing castings and boxes to grade; power sweeping, applying tack coat to saw cut pavement edges; installation of 3 or 3½-inch minimum compacted thickness (as directed) of bituminous concrete sidewalk; application of emulsion to entire surface prior to each binder course and to surface joints after paving is completed; backing up edges of pavement with gravel; and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
16	\$ _____ _ per TON	_____200_____TON S	\$ _____ —

**Item No. 17 – 3 to 3½-inch Permanent Hand Placed Bituminous Concrete Pavement**

Measurement for payment will be based on the actual tonnage of 3 to 3½-inch minimum compacted thickness permanent bituminous concrete binder and/or surface course hand placed behind the curb line on driveways, aprons, sidewalks, walks, and elsewhere outside the trench limits of pavement as directed and approved by the Town based on certified weight slips and Towns calculations to confirm yield. Temporary pavement and/or pavement that can be placed with paving machine in the opinion of the Town will not be measured for payment. Pavement placed outside the project limits will not be measured for payment.

Payment for Item No. 17 – 3 to 3½-inch Permanent Hand Placed Bituminous Concrete Pavement will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to furnish and install 3 or 3½-inch minimum compacted thickness (as directed) of permanent bituminous concrete binder and/or surface course as directed, behind the curb line on driveways, aprons, sidewalks, walks, and elsewhere outside the trench limits of payment as directed and measured by the Town. The work includes all items included in this Section's Paragraph 1.1.B, above, as well as saw-cutting pavement at the project limits or at 1-foot offset to limits of temporary trench pavement to create smooth edges and remove all pavement damaged by construction; removal and disposal of cut-back pavement, and temporary trench pavement, and soil to required depth; restoring and re-grading the gravel base course, compaction testing; raising and resetting existing castings and boxes to grade; constructing exterior concrete collars surrounding masonry and frame to bottom depth of proposed binder; adjusting all valve and service boxes to proposed grades with exterior concrete collars; power sweeping, applying tack coat to saw cut pavement edges; installation of 3 or 3½-inch minimum compacted thickness of bituminous concrete binder and/or surface course in two courses as directed; application of emulsion to entire road surface prior to each binder course and to surface joints after paving is completed; backing up edges of pavement with gravel; and all incidental work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
17	\$ _____ _ per TON	_____300_____ TON S	\$ _____ -

### **Item No. 18 – Remove & Reset Castings**

The work under this item shall consist of adjusting the frames, grates and covers in conformity with the lines and grades. The frames, grates, and covers shall not be adjusted upward until after installation of the leveling course, but before placement of the top course. In no circumstance shall the structure be adjusted to the final elevation and left for more than three days and any structure damaged between the final adjustment and placement of the top course shall be readjusted at no cost to the Owner. It is the responsibility of the Contractor to coordinate with the various Utility Companies to have the manhole frames and covers they own adjusted. Manhole frames shall be set with the tops conforming accurately to the grade of the pavement or finished ground surface or as directed. Frames shall be set concentric with the top of the masonry and in full bed of mortar so that the space between the top of the manhole masonry and the bottom flange of the frame shall be completely filled and made watertight. A thick ring of mortar extending to the outer edge of the masonry shall be placed all around and on the top of the bottom flange. The mortar shall be smoothly finished and have a slight slope to shed water away from the frame.

During the work, the contractor shall take measures to assure that construction materials and debris do not enter the structures. At the completion of the work the Contractor shall clean all existing structures selected by the DPW Director or his designee of any accumulation of silt, debris or foreign matter of any kind. The Contractor's operations shall, at all times, be conducted in a manner that shall not damage manholes, catch basins, storm drain lines, and sanitary sewer lines, and shall not cause injury to persons or property. Under no circumstances shall liquids, solids or any other materials resulting from the cleaning operations be dumped onto public property, or into ditches or water courses. All sludge, dirt, sand, gravel and other debris resulting from the cleaning operation shall be removed and disposed of offsite.

If existing castings are damaged, new castings required shall be supplied by the Town. Installation of new castings to replace broken ones shall be considered incidental to this item with no additional compensation allowed. If a casting is damaged due to improper construction techniques, it will be the Contractor's responsibility to supply and set in place a new casting to the satisfaction of the Utility Company and/or the DPW Director or his designee.

Risers will not be allowed unless approved in writing by the DPW Director or his designee.

Payment for Item No. 18 – Remove & Reset Castings shall be paid for at the contract unit price bid per structure frame, grate and cover adjusted, which price shall constitute full and complete compensation for all materials, bricks, removing, stacking, storing and resetting castings, for all excavation and backfill, equipment, tools, labor and incidentals required to finish the work of this item to the satisfaction of the DPW Director or his designee.

No separate payment will be made for cleaning of structure and associated lines, but all costs in connection therewith shall be included in the unit price bid for this item including tools, labor, supervision, equipment, removal and disposal of all debris and in performing all other operations in connection with the cleaning of existing structures.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
18	\$ _____ per EA (each)	____ 60 ____ EA	\$ _____

#### **Item No. 19 – Utility Structure Reconstructed**

The work under this item shall consist of reconstructing existing catch basins or manholes found in need of rehabilitation as directed by the DPW Director or his designee. Work shall consist of removing and stockpiling the existing castings, removing a portion of the existing structure and constructing a new catch basin or manhole top (corbel cone) in conformity with the lines, grades.

Frames and grates shall be carefully removed and stockpiled on the site for reuse on the reconstructed catch basin or manhole. Existing castings will be reset on the catch basin or manhole if the grate is bicycle safe. If the grate is not bicycle safe, a new frame and grate as directed by the DPW Director or his designee will be installed. The walls of the existing structures shall be removed to a depth necessary to make the transition to the required lines, grade and dimensions of the reconstructed catch basin as directed by the DPW Director or his designee. Any excavation required around the structure shall be done in a manner to cause the least disturbance to the surrounding area. When the mortar has set, the backfill shall be compacted to 95% density as defined in AASHTO-180, Method A or D.

If existing castings are damaged, new castings required shall be supplied by the Town. Installation of new castings to replace broken ones shall be considered incidental to this item with no additional compensation allowed. If a curb stop is damaged due to improper construction techniques, it will be the Contractor's responsibility to supply and set in place a new curb stop box to the satisfaction of the Utility Company and the DPW Director or his designee.

Payment for Item No. 19 – Remove & Reset Castings shall be paid for at the contract unit price bid per vertical foot measured in tenths of feet from the bottom of rebuilt masonry to the bottom of the casting, which price shall constitute full and complete compensation for all materials, bricks or concrete blocks, removing, stacking, storing and resetting castings, removing and disposing existing walls, constructing new walls, for all excavation and backfill, equipment, tools, labor and incidentals required to finish the work of this item to the satisfaction of the DPW Director or his designee.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
19	\$ _____ per VF (Vertical Feet)	40 VF	\$ _____

**Item No. 20 – Gate Box Adjusted**

The work under this item shall consist of adjusting the gate boxes in conformity with the lines and grades. The gate boxes shall not be adjusted upward until after leveling course operation, but before placement of the top course. In no circumstance shall the structure be adjusted to the final elevation and left for more than three days and any structure damaged between the final adjustment and placement of the top course shall be readjusted at no cost to the Owner.

Any new gate boxes required shall be supplied by the Town. Installation of new gate boxes to replace broken ones shall be considered incidental to this item with no additional compensation allowed.

Risers will not be allowed unless approved in writing by the DPW Director or his designee.

Payment for Item No. 20 – Gate Box Adjusted shall be paid for at the contract unit price bid per structure gate box adjusted, which price shall constitute full and complete compensation for all materials, removing, stacking, storing and resetting castings, for all excavation and backfill, equipment, tools, labor and incidentals required to finish the work of this item to the satisfaction of the DPW Director or his designee.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
20	\$ _____ per EA (each)	55 EA	\$ _____

### **Item No. 21 – Mobilization**

This item shall consist of preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site, for the establishment of all contractor's field offices, buildings, and other facilities necessary for work on the project and all other work and operations which must be performed or for costs which must be incurred prior to beginning work. As well as, the necessary cleanup work to the job site after construction i.e. removal of any access material, trash or other nuisances. The work required to provide facilities and services for mobilization shall be done in a safe and workmanlike manner and shall conform to any pertinent local or state law, regulation or code. Good housekeeping and safety shall be maintained.

Payment for Item No. 21 – Mobilization will be made on a lump sum basis per mobilization with 50% of the lump sum being paid upon arrival and the remaining 50% will be paid upon satisfactory cleanup of the site and departure of all equipment.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
21	\$ _____ per LS (Lump Sum)	_____ 1 _____ LS	\$ _____

### **Item No. 22 – Furnish and Install Loam and Seed**

Measurement and payment will be based on the actual square yards of surface area loamed and seeded within the project limits as directed and as measured by the Town. Loaming and seeding outside the project area and in staging or stockpile areas to repair construction damage without prior authorization from the Town will not be measured for payment.

Payment for Item No. 22 – Furnish and Install Loam and Seed will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to furnish and install (weed free seed) loam and seed as directed by the Town. The work includes all items included in this Section's Paragraph 1.1B, above, as well as furnishing, hauling, and delivery of suitable top soil "loam", installing loam in all areas directed by the Town to a minimum depth of 6-inches; grading, compacting, and raking loam; furnishing and installing hydro-seed grass seed mixture, surrounding planted grass areas with stakes and caution tape as directed, watering and maintaining grass until growth requires second cutting as determined by the Town, cutting grass once to height of 2-inches, removal and disposal of stakes and caution tap and all work incidental thereto and all work not specifically included for payment under other items.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
22	\$ _____ per SY (Square Yard)	_____3000_____ SY	\$ _____

**Item No. 23 – Install, Maintain and Remove Erosion and Sediment Barrier**

Measurement and payment will be based on the actual linear feet of erosion and sediment barrier (staked straw wattles or buried siltation fencing as directed) installed, maintained, and removed complete as measured by the Town. Erosion and sedimentation barrier installed to replace or maintain damaged or missing barriers will not be measured for payment.

Payment for Item No. 23 – Install, Maintain and Remove Erosion and Sediment Barrier will be based on the Unit Price bid for this item in the proposal. Under the Unit Price for this item, the Contractor shall furnish all labor, materials, tools, equipment, and incidentals required to install erosion and sedimentation barriers, complete. The work includes all items included in this Section's Paragraph 1.1B, above, as well as coordination with the Conservation Commission and property owners regarding layout locations if required, notification of affected property owners prior to installation; furnishing and installing staked 8-inch diameter straw wattles or as directed; or furnishing and installing buried and staked siltation fence as directed; backfilling and compacting buried fencing, maintain erosion and sedimentation barriers throughout construction, removal and disposal of erosion and sedimentation barriers following construction and authorization from the Conservation Commission, restoring areas, and all incidental work not specifically included for payment elsewhere.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
23	\$ _____ per LF (Linear Feet)	_____3000_____ LF	\$ _____

**Item No. 24 – Saw Cutting**

Measurement for payment will be based on the actual linear feet of saw cutting, completed as measured by the Town of XXXXX in connection to required and associated work.

Payment for Item No. 24 – Saw Cutting will be based on the Unit Price bid for this item in the proposal.



ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
24	\$ _____ per LF (Linear Feet)	_____ 500 _____ LF	\$ _____

**Item No. 25 – Supply and Install Gravel to back up Pavement Edges**

Measurement for payment will be based on the cubic yards of gravel supplied and installed as measured by the Town of XXXXX in connection to required and associated work.

Payment for Item No. 25 – Supply and Install Gravel to back up Pavement Edges will be based on the Unit Price bid for this item in the proposal.

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL
25	\$ _____ per CY (Cubic Yards)	_____ 500 _____ CY	\$ _____

**END OF SECTION**

While every effort has been made to provide accurate estimates, the material and work quantities are subject to change due to emerging site conditions and project requirements.

# **SECTION 1**

**TOWN OF XXXX PUBLIC WORKS**  
**OFFICIAL BID FORM**  
**SECTION ONE**

\_\_\_\_\_ proposes to furnish the Town of XXXXX with Patching Various Sidewalks & Streets for the Department of Public Works, in accordance with the Town's specifications dated 1/5/23 and my/our company's bid dated \_\_\_\_\_

Plant Name and Address: \_\_\_\_\_

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL	NOTES
1	\$ _____ per SY (Square Yard)	__100__ SY	\$ _____	Strip/Dispose Existing Materials
2	\$ _____ per CY (Cubic Yard)	__25__ CY	\$ _____	Furnish/Dispose Gravel Subbase
3	\$ _____ per SY (Square Yard)	__200__ SY	\$ _____	Cement Con Sidewalks
4	\$ _____ per SY (Square Yard)	50 _____ SY	\$ _____	Mono Bit Con Curb Sidewalk

5	\$ _____ per SY (Square Yard)	_100_____ SY	\$ _____	Cement Concrete Ramps & Crossings
6	\$ _____ per LF (Linear Foot)	_100_____ LF	\$ _____	Bit Con Curbs & Berms
7	\$ _____ per LF (Linear Foot)	_100_____ LF	\$ _____	Remove/Stack Granite Curb
8	\$ _____ per LF (Linear Foot)	_100_____ LF	\$ _____	Remove/Reset Straight Granite Curb
9	\$ _____ per LF (Linear Foot)	_100_____ LF	\$ _____	Furnish/Install Straight Granite Curb
10	\$ _____ per LF (Linear Foot)	_50_____ LF	\$ _____	Remove/Reset Curved Granite Curb
11	\$ _____ per LF (Linear Foot)	_50_____ LF	\$ _____	Furnish/Install Curved Granite Curb

12	\$ _____ per TON	__100__ TONS	\$ _____	3-3.5 Inch Bit Con Sidewalk
13	\$ _____ per TON	__400__ TONS	\$ _____	Hot Mix Asphalt Intermediate & Top

**WRITE TOTAL IN NUMBERS (1-13)**\_\_\_\_\_

**WRITE TOTAL IN WORDS**\_\_\_\_\_

## SECTION 2

**TOWN OF XXXXX OFFICIAL BID FORM**  
**SECTION TWO**

\_\_\_\_\_ proposes to furnish the Town of XXXXX with STREET AND SIDEWALK RESURFACING for the Department of Public Works, in accordance with the Town's specifications dated 1/5/23 and my/our company's bid dated \_\_\_\_\_

Plant Name and Address: \_\_\_\_\_

ITEM	UNIT PRICE	ESTIMATED QUANTITY	TOTAL	NOTES
1	\$ _____ per SY (Square Yard)	__3,200__ SY	\$ _____	Pavement and Road Base Reclaiming

2	\$ _____ per SY (Square Yard)	__50,000__ CY	\$ _____	Asphalt Excavation Cold Planing
3	\$ _____ per TON	__400__ TONS	\$ _____	Base Pavement Repairs (Leveling Course)
4	\$ _____ per TON	__2,000__ TONS	\$ _____	Hot Mix Asphalt Intermediate & Top
5	\$ _____ per SY (Square Yard)	__1,000__ SY	\$ _____	Strip/Dispose Existing Material
6	\$ _____ per CY (Cubic Yard)	__250__ CY	\$ _____	Furnish/Install Gravel Subbase
7	\$ _____ per SY (Square Yard)	__1,000__ SY	\$ _____	Install Cement Con Sidewalks
8	\$ _____ per SY (Square Yard)	__500__ SY	\$ _____	Mono Bit Con Curb Sidewalk
9	\$ _____ per	__400__ SY	\$ _____	Cement Concrete Ramps & Crossings

	SY (Square Yard)			
10	\$ _____ per LF (Linear Foot)	__1,000__ LF	\$ _____	Bit Con Curbs & Berms
11	\$ _____ Per LF (Linear Foot)	__200__ LF	\$ _____	Remove/Stack Granite Curb
12	\$ _____ Per LF (Linear Foot)	__400__ LF	\$ _____	Remove/Reset Straight Granit Curb
13	\$ _____ Per LF (Linear Foot)	__400__ LF	\$ _____	Furnish/Install Straight Granite Curb
14	\$ _____ Per LF (Linear Foot)	__400__ LF	\$ _____	Remove/Reset Curved Granite Curb
15	\$ _____ Per LF (Linear Foot)	__400__ LF	\$ _____	Furnish/Install Curved Granite Curb
16	\$ _____ per TON	__300__ TONS	\$ _____	3-3.5 Inch Bit Con Sidewalk
	\$ _____	__300__ TONS		3-3.5 Inch Hand Placed Bit Con Pave



17	per TON		\$ _____	
18	\$ _____ Each	__60__ EA	\$ _____	Remove & Reset Castings
19	\$ _____ Per VF (Vertical Foot)	__40__ VF	\$ _____	Utility Structure Reconstructed
20	\$ _____ Each	__55__ EA	\$ _____	Gate Box Adjusted
21	\$ _____ Lump Sum	____ Lump Sum__	\$ _____	Mobilization
22	\$ _____ per SY (Square Yard)	__3,000__ SY	\$ _____	Furnish and Install Loam and Seed
23	\$ _____ Per LF (Linear Foot)	__3,000__ LF	\$ _____	Erosion Sed. Barrier
24	\$ _____ Per LF (Linear Foot)	__500__ LF	\$ _____	Saw Cutting
25	\$ _____ per CY (Cubic Yard)	__500__ CY	\$ _____	Gravel Pave Edges

**WRITE TOTAL IN NUMBERS (1-25)**\_\_\_\_\_

**WRITE TOTAL IN WORDS**\_\_\_\_\_

If there is a discrepancy between the numbers and words in the above totals then the words shall take precedence. The Town of XXXXX will correct any math errors if the bidder intent is clear.

**FINAL BID FORM**

- RECEIPT OF ANY ADDENDA\_\_\_\_\_
- Please acknowledge receipt of any addenda (if applicable)
- References and Equipment List on Company Letterhead Enclosed\_\_\_\_\_

- 5% Bid Deposit Enclosed \_\_\_\_\_

**GRAND TOTAL (ALL ITEMS)  
SECTION 1**

**AMOUNT:** \_\_\_\_\_

**WRITTEN:** \_\_\_\_\_

**GRAND TOTAL (ALL ITEMS)  
SECTIONS 2**

**AMOUNT:** \_\_\_\_\_

**WRITTEN:** \_\_\_\_\_

**In the event of any discrepancy on any official bid form, words shall take  
precedence over numbers.**