

SPECIAL PROVISIONS

1. Except as otherwise indicated, all work on this contract shall be in accordance with State of Wisconsin, Department of Transportation, Standard Specifications for Road and Structure Construction, 2003 Edition, hereinafter called "State Specifications", and amendments thereto.

2. Scope of Work and Start and Completion Dates

The work to be performed under this contract generally consists of removing and replacing existing concrete sidewalk in the project area shown on the location map. The project can start on or after April 1, 2016 (once the frost is completely out of the ground). The project must be completed by May 27, 2016.

3. Remove and Replace Sidewalk Construction

A. Removal

Existing sidewalk shall be removed at the locations marked, and disposed of by the contractor. Any existing concrete sidewalk abutting a marked slab that has chips, pops, or cracks, shall be saw cut cleanly. Saw cutting and removal of existing sidewalk shall be considered incidental work and included in the price bid for sidewalk removal and replacement. Unmarked sidewalk that is damaged in the process of removal shall be completely removed and replaced at the expense of the contractor.

Several locations contain sidewalk removals located between an existing concrete driveway and driveway approach. The contractor shall take every precaution while doing this work to prevent damage to private property. "It will be the contractor's responsibility to repair existing private concrete damaged to existing condition".

Roots of existing live trees or old removed trees, either public or private, shall be cut or trimmed at least eight (8) inches below finished sidewalk elevation to permit placement of sidewalk to the full width and thickness. The tree spot locations are generally noted on the address/quantity sheet under the "comments" column included in the bid book. The cost of all root cutting, root removal, clean up excavation and gravel furnished for 3" base material shall be included in the price bid for sidewalk replacement.

B. Sidewalk Construction

Material and Method. All sidewalks shall be of concrete construction composed of six-bag mix, one course construction, to the thickness specified, and built to the established line and grade. Each excavation shall be graded to the required depth with a minimum 3" compacted gravel base course. If sufficient gravel base material does not exist after removals, it will be the contractor's responsibility for excavating and supplying a 3" compacted gravel base and is incidental to the concrete sidewalk square foot unit price in the bid book. Concrete shall be placed

in straight forms of wood or metal of sufficient strength to resist springing, tipping or other displacement during the process of depositing and consolidating the concrete. Wood forms shall be surfaced planks of at least two inches in thickness, except for sharply curved sections. Metal forms shall be of approved section.

The forms shall be full depth of the required sidewalk (4" or 5") and shall be of such design as to permit secure fastening. Forms shall be thoroughly cleaned and oiled before the concrete is placed against them.

Concrete shall be placed in the forms on a moist subgrade, deposited just above the finished grade and consolidated and spaded sufficiently to bring the mortar to the surface and to prevent honeycombing. It shall then be struck off level with the top of the forms and finished with wooden flats. All joints and edges shall be finished with a one quarter-inch radius edging tool. Before the last finish has set, the sidewalk shall be steel troweled and brushed in transverse direction. Before final finishing, the surface shall be checked with a ten-foot straight edge and any areas departing from the testing edge shall be corrected by adding or removing concrete while the walk pour is still plastic.

Transverse expansion joints one-half-inch thick of premolded expansion material shall be located every forty feet, at the street and against the back of all curb and gutter encountered. A tooled joint shall be placed every five feet and shall be at least one and one-half inches deep. All joints shall be at right angles to the direction and grade of the walk. Diagonal joints may be used only when ordered by the Engineer and shall be placed under his direction.

The Contractor will be responsible to have materials on site and available for protecting unhardened concrete against damage by rain. When rain is imminent, the unhardened concrete surface should be covered immediately with plastic, film or other suitable materials. Failure to do so will result in a rejection of materials by the engineer and the contractor will be required to remove and replace all rejected materials at his own expense.

Curing and Drying. As soon as any of the concrete work mentioned in this section has been finished and hardened sufficiently to prevent excessive marring of the surface, it shall be cured and protected against rapid drying. Failure to comply with this requirement shall be deemed sufficient cause for suspension of the work. Curing shall be accomplished by the "Impervious Coating," "Wet Fabric" or "Paper" methods. Walks shall be kept free from all traffic at normal temperatures for forty-eight hours and in cold weather (below fifty degrees Fahrenheit) for ninety-six hours.

The Contractor will be responsible to erect and maintain suitable barricades and or caution tape to prevent vehicular or pedestrian traffic from accessing the

newly constructed sidewalk. Any part of the concrete sidewalk damaged by vehicular or pedestrian traffic prior to its acceptance shall be replaced by and at expense of the contractor.

C. Text Imprint

“Text Imprint” shall be paid as “each” and shall be construed to mean imprinting the text stamp into a walk panel. Payment shall be compensation in full for labor, materials, and equipment necessary to complete the work item. Payment for the imprint shall be in addition to payment for the four inch (4”) walk.

The high strength urethane plywood backed or high density plastic plywood backed stamps (approximately ten (10) different stamps) will be provided by the Village. The Village will also deliver all stamps to the site. The text shall consist of short poems of less than two hundred fifty (250) characters. The dimension of the stamps will vary. The average will be approximately thirty-six inches by twenty-four inches (36” x 24”). It is anticipated that the durability of the stamps will allow each stamp to be used a minimum of thirty (30) applications.

Representatives from the Village will be on hand to assist the Contractor in the stamping operation. The Village will select the panel, the position of the stamp, and monitor the timing of when to stamp the concrete. The Village will also clean and secure the stamps after use. It is preferred that the Contractor assign one person to do all the stamping over the course of the project.

After the concrete is placed and floated, the aggregate in the portion of the walk panel to be imprinted shall be depressed into the concrete to a minimum depth of one-fourth inch (1/4”). A “jitterbug” type of device is typically employed to accomplish this.

The imprint placement must occur when the concrete has reached the appropriate set or stiffness. The Contractor shall take appropriate care and exert exceptional effort and skill to implement a successful imprint. The stamp is to be imprinted to a depth of one-eighth inch (1/8”) into the concrete surface. An appropriate release agent shall be applied to the stamp prior to each imprint. Each stamping will take approximately 5 to 10 minutes to complete. The imprinted walk panel must be cured with a clear cure spray (Meadows CS309 or its equivalent) then covered with plastic sheeting. After placement of the imprint, the walk panel with the imprint shall be securely barricaded to protect the imprint from errant pedestrians or bicycles. The Contractor will provide a person for security purposes to prevent vandalism of the imprint. It is anticipated that up to ten (10) imprints may occur during the project.

5. Pavement Sawing

All sawing necessary is incidental to sidewalk removal.

6. Restoration

Restoration of disturbed lawn and pavement areas shall be included in the price bid for sidewalk construction. Restoration shall be completed as soon as possible but not longer than ten (10) calendar days or the required curing time if it is more than ten (10) days.

Contractor shall furnish at his expense sufficient fill material where required. Backfilling shall be performed in a manner that will not produce more than one inch of settlement and have a uniform slope from the top of the walk to the adjacent surface. The top two inches of backfill material shall contain no clumps of earth larger than 1 inch in diameter, free of stones and suitable for growing grass. Excess earth, chunks of sod and concrete rubble shall become the property of the contractor and be removed from the job site at his expense. In a cut area, the surface shall be pulverized to a depth of 1-1/2 inches suitable for growing grass.

All lawn areas which are disturbed or damaged shall be seeded with seed mixture No. 40 as specified in the "State Specifications", at the rate of 4 pounds per 1,000 square feet.

Contractor shall not excavate more than 18 inches on each side of the sidewalk unless authorized by the Engineer. The cost of restoring the 18 inches adjacent to the walk, including topsoil and seed and mulch, shall be included in the cost bid for sidewalk replaced. Should the contractor excavate more than 18 inches without authorization, the contractor will be required to restore the total area disturbed with seed and mulch at contractor's expense.

The contractor is responsible for any watering necessary to produce a suitable catch of grass at each work location on this project. The Village of Grafton will provide a punch list with corrective work if needed. This corrective work shall be completed no later than September 30. This work will then be reevaluated and the project finalized if the restoration is acceptable. The contractor is welcome to work with homeowners by handing out paper notices or paper flyers asking for their assistance in watering. This will by no means be binding the homeowner as responsible for grass restoration.

Where new sidewalk abuts existing bituminous driveway or bituminous pavement, and the new concrete can not be poured without disturbing existing driveway or pavement, the pavement shall be restored by sawing the existing pavement to provide for a straight, vertical butt joint, and placement of 3" of plant-mix asphalt. All bituminous pavement removed shall become the property of the contractor and shall be disposed of at his expense. The cost of bituminous pavement shall be included in the price bid for sidewalk replacement.

7. Name Plate Stamp

The contractor shall furnish a name plate to be used for stamping the ends of each section of sidewalk which he constructs.

The die stamp must be verified by the Director of Public Works that it meets the standards established.

The name plate stamp shall include the year of construction and the contractor's name.

The name plate stamp shall conform to the dimensions shown on the accompanying detail Drawing No. 3 unless otherwise approved.

8. Time of Completion

Contractor can begin work on or after April 1, 2016. The contractor shall be given 6 weeks to substantially complete the project, time will begin upon mobilization into the Village. Contract shall be granted an additional week to complete landscape restoration.

All work including restoration on this contract shall be completed by May 27, 2016. Final restoration which includes reseeding of bare spots or repair due to topsoil settlement or erosion shall be complete by June 13, 2016.

9. Traffic Control

Traffic control will be the sole responsibility of the Contractor. All traffic control shall conform to the applicable sections of the Manual on Uniform Traffic Control Devices. The Contractor shall notify the Engineer at least 48 hours prior to closing any street to through traffic.

The Contractor will use flag persons when required to adequately control vehicular traffic. The Engineer reserves the right to direct the Contractor to position what the Engineer determines to be the adequate number of flag persons, at no cost to the Owner.

If at any time the Engineer shall determine that traffic control at the site is inadequate, he will direct the Contractor to supply such barricades, lights, or other traffic control devices as may be needed. If the Contractor is not on the site, and the Engineer deems that the situation warrants immediate corrective action, he shall cause the Village to supply such barricades, lights, or other devices as may be needed, and the cost of providing same shall be deducted from payments due the Contractor.

10. Inspection

If, at any time during the execution of the Contract, the work is to be suspended for one or more days, the Contractor shall notify the Engineer, at least one day prior to suspension or resumption of the work.

11. Incidental Work

All work not shown in the Specifications and Contract Documents, but which is necessary to satisfactorily complete the project, shall be termed "Incidental Work" and shall be performed at no extra cost to the Owner.

12. Copy of "Specifications and Contract Documents" in the Field

At least one copy of these Specifications and Contract Documents shall be available on the construction site at all times, along with a copy of the State Specifications. Each foreman on the site shall be thoroughly familiar with the requirements of these documents.