

GENERAL CONDITIONS

1.0 Examination of Documents:

The bidder is required to examine the site of the work, and to examine and become familiar with the form of the Proposal, plans, specifications and all other Contract Documents pertaining to the proposed work, and the submission of a bid shall be sufficient to establish the presumption that the Bidder has investigated the site of the work and is satisfied as to all conditions to be encountered, the character, quantity and quality of the work to be performed and materials furnished in the completion thereof. Requests for interpretation arising out of this Article must be presented in writing at least five (5) days before bid dates to the Project Manager. A PDF FORM OF THE PLANS WILL AVAILABLE ON THE BALDWIN COUNTY WEBSITE.

2.0 Lines and Grades:

The CONTRACTOR shall furnish all surveying services required to perform all work required under this Contract.

3.0 Measurements To Be Verified:

Before ordering any material or doing any work, the CONTRACTOR shall verify all measurements at the site and shall be responsible for the correctness of same. No extra charge or compensation will be allowed on account of difference between actual dimensions and the measurements indicated on the drawings; any difference which may be found, shall be submitted to the OWNER for consideration before proceeding with the work.

4.0 Traffic Control, Public Safety and Convenience:

- A. The maintenance of traffic for the project shall be in accordance with the Manual on Uniform Traffic Control Devices (U.S Department of Transportation FHWA).
- B. The CONTRACTOR shall, at all times, conduct his work so as to assure the least possible obstruction to traffic and inconvenience to the general public, and provide adequate protection of persons and property in the vicinity of the work.

- C. WHEN THE NORMAL FLOW OF TRAFFIC WILL BE IMPAIRED OR DISRUPTED IN ANY MANNER ON ANY STREET, THE CONTRACTOR SHALL NOTIFY THE BALDWIN COUNTY SHERIFFS OFFICE AT LEAST 24 HOURS IN ADVANCE.
- D. Streets shall not be closed, except when and where directed by the COUNTY, and whenever a street is not closed the work must be conducted with the provision for safe passageway for traffic at all times. The CONTRACTOR shall make all necessary arrangements concerning maintenance of traffic and selection of detours required.
- E. When permission has been granted to close an existing roadway, or portion thereof, the CONTRACTOR shall furnish and erect signs, barricades, lights, flags and other protective devices as necessary subject to the approval of the COUNTY. Type I, II, III or Drum Barricades used for delineation at night shall be equipped with steady burn lights. High Intensity flashing arrow boards shall be used if required by the COUNTY.
- F. All signs intended to be used during the hours of darkness shall be either reflectorized with a material that has a smooth, sealed outer surface, or illuminated to show approximately the same shape and color day and night. All pavement markings which are to be in place during night hours shall have temporary reflective pavement markers placed in accordance with the MUTCD. Any conflicting reflective pavement markers shall be removed.
- G. During working hours the CONTRACTOR shall furnish flagmen in sufficient numbers to protect and divert the vehicular and pedestrian traffic from working areas closed to traffic, or to protect any new work. Failure to comply with this requirement will result in the COUNTY shutting down the work until the CONTRACTOR shall have provided the necessary protection.
- H. No separate payment will be made for such signs, barricades, lights, flags, flagmen or other protective devices as required, with all costs thereof deemed to be included in the prices bid for the various items scheduled in the bid.
- I. Sidewalks, gutters, drains, fire hydrants and private drives shall, insofar as practicable, be kept in condition for their intended uses. While the work is actually going on at any location, as much as half the street width at that location may be barricaded to exclude traffic entirely, but street traffic shall not be obstructed needlessly. Fire hydrants on or adjacent to the work shall be kept accessible to fire apparatus at all times, and no material or obstruction shall be placed within ten feet of any such hydrant.

- J. Construction material stored upon the public street shall be placed so as to cause as little obstruction to the general public as is reasonably possible.
- K. The CONTRACTOR shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the work. The CONTRACTOR shall take all necessary precautions for the safety of, and shall provide the necessary protection to prevent damage, injury or loss to:
 1. All employees on the work and other persons who may be affected thereby.
 2. All the work and all materials or equipment to be incorporated therein, whether in storage on or off the site.
 3. Other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures and Services not designated for removal, relocating or replacement in the course of construction.

5.0 Materials and Equipment:

- A. Material for the Work:
 1. The CONTRACTOR shall furnish all materials, equipment, labor, transportation, construction equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water and sanitary facilities and all other facilities and incidentals necessary for the execution, testing, initial operation and completion of the work.
 2. Unless otherwise specified, shown or permitted by the COUNTY, all material and equipment incorporated in the work shall be new and of current manufacture. The COUNTY may request the CONTRACTOR to furnish manufacturer's certificates to this effect.
 3. The COUNTY may require any or all materials to be subjected to test by means of samples or otherwise, at production points or after delivery. The CONTRACTOR shall afford such facilities as the COUNTY may require for collecting and forwarding samples, which samples shall be furnished by the CONTRACTOR without charge. The CONTRACTOR shall furnish

evidence satisfactory to the COUNTY that the materials and finished articles have passed the required test prior to the incorporation of such materials and finished articles in the work.

4. All packaged manufactured products for use on the work shall be delivered to the work in their original, unopened packages, bearing thereon the manufacturer's name and the brand name of the product.
5. Wherever any product or material is selected to be used on the work, all such products or material shall be of the same brand and manufacture throughout the work.
6. All equipment, tools and machinery used for handling material or executing any part of the work shall be subject to the approval of the OWNER'S REPRESENTATIVE and shall be maintained in a satisfactory working condition. All equipment utilized on any portion of the work shall be such that no injury to personnel, the work, adjacent property or other objects will result from its use.
7. All materials and equipment shall be applied, installed, connected, erected, used, cleaned and conditioned in accordance with the instructions of the applicable manufacturer, fabricator, supplier or distributor, except as otherwise provided in the Contract Documents.

B. Storage of Materials:

1. All materials and equipment including that ordered by the COUNTY designed for permanent installation in the work shall be properly stored by the CONTRACTOR to insure protection against deterioration of any type. These materials shall be placed as to cause a minimum of inconvenience to other contractors on the work and to the public. The storage piles shall be arranged to facilitate inspections, and any deterioration shall be grounds for rejection.
2. Materials stored in public Rights-of-Way, shall be stored in such a manner so as to be compatible with the Traffic Control requirements set forth in Section 4.0. Materials shall be stored so as not to deny access to public or private property. Stored materials shall be adequately marked with barricades and/or flashing warning lights, where necessary, so as to protect the materials from damage and to protect the public health, safety and welfare.
3. Lawns, grass plots or other private property shall not be used for

storage purposes without written permission of the Owner or Lessee of that private property. Should the CONTRACTOR desire to store equipment or materials of any kind on the property of the COUNTY, he must obtain permission from the OWNER'S REPRESENTATIVE. The COUNTY reserves the right to order materials to be removed or relocated in such approved storage areas, if necessary.

4. The protection of stored materials shall be the CONTRACTOR'S responsibility and the COUNTY shall not be liable for any loss of materials, by theft or otherwise, nor for any damage to the stored materials.

6.0 Use of Premises:

CONTRACTOR shall confine construction equipment, the storage of materials and equipment and the operations of workmen to areas permitted by law, ordinances, permits or the requirements of the Contract Documents, and shall not unreasonably encumber the premises with construction equipment or other materials or equipment.

7.0 Protection of the Work:

Until acceptance of the work by the COUNTY, it shall be under the charge and in care of the CONTRACTOR and he shall take every necessary precaution against injury or damage to the work by action of the elements or from the execution or from the non-execution of the work. The CONTRACTOR shall rebuild, restore and make good, at his own expense, all injuries or damages to any portion of the work occasioned by any of the above causes before its completion and acceptance.

CONTRACTOR shall take every reasonable precaution to secure and safeguard materials, equipment, supplies and other items used in prosecution of the work including, without limitation, using barriers, locks, storage sheds, and similar measures.

8.0 Cleanliness of the Site:

During the progress of the work, The CONTRACTOR shall keep the premises free from accumulations of waste materials, rubbish and other debris resulting from the work. At the completion of the work the CONTRACTOR shall remove all waste materials, rubbish and debris from and about the premises as well as all tools, appliances, construction equipment and machinery and surplus materials, and shall leave the site clean and ready for occupancy by the COUNTY. The CONTRACTOR shall restore to their original condition those portions of the site

not designated for alteration by the Contract Documents.

9.0 Final Clean-Up:

Upon completion of the work and before final inspection shall be made, the CONTRACTOR shall clean and remove from the site, the Right-of-Way and adjacent property, all surplus and discarded materials, rubbish, and temporary structures; restore in an acceptable manner all property, both public and private, which has been damaged during the prosecution of the work; and shall leave the site and vicinity unobstructed in a neat and presentable condition throughout the entire area or length of the work under Contract. The placing of materials of every character, rubbish, or equipment on the abutting property, with or without the consent of the property owners, shall not constitute the satisfactory disposal. If the work is of such a character as may be done by block or sections, the CONTRACTOR may be required to promptly remove and dispose of accumulated rubbish, debris or surplus materials from blocks or sections as completed or partially completed. No separate payment will be made for final cleaning up and restoration of property, but all costs thereof shall be included in the prices bid for the various scheduled items of work.

10.0 Final Inspection:

Upon written notice from the CONTRACTOR that the entire work or an agreed portion thereof is complete and final clean-up has been completed, the OWNER'S REPRESENTATIVE will make a final inspection with the CONTRACTOR and will notify the CONTRACTOR in writing of all particulars in which this inspection reveals that the work is incomplete or defective. The CONTRACTOR shall immediately take such measures as are necessary to remedy such deficiencies.

SITE WORK

1.0 Demolition (removal of existing sidewalk, driveway sections, and curb):

- A. Provide suitable barricades and lighting to protect the public prior to the removal of sidewalks, ramps etc. The barricades and lights shall remain until the newly placed concrete is sufficiently hard to sustain pedestrian traffic. Barricades and lights shall be removed as soon as possible after placing concrete.
- B. Repair damage to adjacent structures that are due to CONTRACTOR operations at no extra cost to the COUNTY.
- C. Repair damage to all existing items scheduled to remain, such as asphalt driveways; asphalt aprons; concrete driveways; concrete aprons; sod; shrubs; trees; fences; sprinkler systems; mailboxes; walls, etc., that are due to CONTRACTOR operations at no extra cost to the COUNTY.

2.0 Clearing and Grubbing:

- A. The surface of the ground within the area to be cleared and grubbed shall be completely cleared of all timber, brush, bushes, stumps, roots, grass, weeds, rubbish and all other objectionable obstructions resting on or protruding through the surface of the ground. Clearing operations shall be conducted so as to prevent damage to existing structures, irrigation systems, signage, etc. The COUNTY must approve the removal of all trees.
- B. Grubbing shall consist of the complete removal of all stumps, roots, matted roots, brush, timber, logs and any other organic or inorganic debris resting on, under or protruding through the surface of the ground. If tree stumps are encountered they must be removed to a depth of 12 inches below the sub-grade. All depressions excavated below the original ground surface of or by the removal of such objects, shall be refilled with suitable materials and compacted to a density approved by the COUNTY.
- C. All material resulting from clearing and grubbing operations shall be removed from the job site and disposed of by the CONTRACTOR at no additional cost to the COUNTY.

3.0 Excavation, Grading, Backfill and Compaction:

1. All water pipes, storm drains, force mains, gas or other pipe, telephone or power cables or conduits, all house services, meter boxes, valve boxes and all other obstructions, shall be protected and if damaged, shall be repaired by the CONTRACTOR at no additional cost to the COUNTY.
2. The CONTRACTOR shall call Georgia 811 for a utility locate prior to excavation.
3. Where it is necessary to sever, remove or relocate any utility for the proper excavation of work, the CONTRACTOR shall notify the various Utilities in sufficient time so measures may be taken to prevent or minimize interruption of service. The CONTRACTOR shall be responsible for the coordination of such utility revisions with the appropriate Utility. This work shall be completed by either the existing Utility or CONTRACTOR'S forces, at the discretion of the responsible Utility, all at no additional cost to the COUNTY.
4. The CONTRACTOR shall be responsible for adjusting meter boxes, valve boxes, etc., to an appropriate elevation flush with proposed surfaces or as directed by the COUNTY.
5. Imported fill material where required by, shall be non-cohesive, non-plastic material, free of all debris and lumps, namely clean, imported, granular, sandy material with no organic traces.
6. Material shall not have rocks larger than two inches (2") in diameter.
7. Where the soil conditions are inadequate for sidewalk placement, GAB may be utilized so long as it is thoroughly compacted.
8. Suitable site materials shall be used up before imported fill is brought to the job site.
9. Excavation shall include the removal of all material of whatever nature encountered, including all obstructions of any nature that would interfere with the proper execution and completion of the work. The removal of said material shall conform to the lines and grades ordered.
10. The base for sidewalks and ramps shall be granular material free of muck, peat, organic material and any deleterious material. Any unsuitable base material must be removed and disposed of away from the project. Granular fill shall be replaced as needed to meet the required grade and/or to replace unsuitable material.

11. When excavations are to be made in paved surfaces, the pavement shall be saw-cut ahead of the excavation by means of suitable sharp tools to provide a uniform sharp edge, with minimum disturbance of remaining material. The saw shall be of sufficient size to entirely cut through the pavement. Jagged and excessive cuts will not be permitted. Partial sawing and breaking of concrete will not be allowed.
12. The CONTRACTOR shall remove and dispose of or transfer to a site within the COUNTY, all unsuitable excess excavation material.
13. Fill material shall be placed in compacted layers of no more than six inches (6") in depth to the required sub-grade elevation.
14. Imported fill is allowed to be used only after the existing fill that is suitable for use has been completely used up.
15. Fill material including GAB or existing sub-grade material under sidewalks or ramps shall be thoroughly compacted. Granular fill replacing unsuitable material shall be of sufficient depth to prevent any "working-up" of the unsuitable material and no less than six inches (6") measured after compaction. The base shall be graded parallel to finish grade.
16. All material that will be beneath new concrete shall be compacted by mechanical means to ninety-five (95%) of standard proctor.
17. When material does not have the proper moisture content to obtain the required density, then wetting or drying of the material shall be required.
18. The COUNTY will retain an independent test laboratory to perform density and/or other soil tests.
19. Bring top of sub-grade, base, or finished grade to a smooth and compact surface conforming to grades, lines, and cross-sections specified, of uniform density ready to receive base course, sidewalk, ramp, surface course, topsoil or sod.
20. Check slopes, elevations, cross-sections and density before placement of the sidewalk, ramp, asphalt or sod.
21. Finished surface shall be protected from ruts, depressions or other irregularities, until placement of sidewalk, ramp or asphalt.
22. Assure the subgrade is at the required elevations at driveways to achieve the maximum slope at all transition areas between the new sidewalk and existing driveway.

23. The finished subgrade shall be maintained in a smooth, compact condition and any areas which are disturbed prior to placing of the concrete shall be restored at the CONTRACTOR's expense. The subgrade shall be moist at the time the concrete is placed. Water shall be uniformly applied ahead of the pouring operations as directed by the ENGINEER. Large boulders and other obstructions shall be removed to a minimum depth of 6-inches below the finished subgrade elevation, and the space shall be backfilled with sand, base course material or other suitable material which shall be thoroughly compacted by rolling or tamping.
24. The subgrade shall be accurately trimmed to the required elevation. High areas shall be trimmed to proper elevation. Low areas may be filled with suitable material and compacted to the specified density or filled with concrete integrally with the placing of the pavement.

4.0 Sidewalks:

1. The concrete shall be distributed on the subgrade to such depth that, when it is consolidated and finished, the thickness shall be distributed on the subgrade to such depth that, when it is consolidated and finished, the thickness required by the Drawings will be obtained at all points and the surface will at no point be below the grade specified for the finished surface. The concrete shall be deposited on the subgrade in a manner which will require as little rehandling as possible. Placing of concrete shall be continuous between transverse joints, without the use of intermediate bulkheads.
2. Concrete shall be thoroughly consolidated against and along the faces of all forms by means of vibrators. Vibrators shall not be permitted to come in contact with the subgrade or a Side form. Vibration at any one location shall not continue so long as to produce puddling or the accumulation of excessive grout on the surface. In no case shall the vibrator be operated longer than 15 seconds in any one location.
3. After floating has been completed and the excess water removed, but while the concrete is still in a plastic state, the surface of the concrete shall be tested for trueness with an accurate 10-foot straightedge. The straightedge shall be furnished by the CONTRACTOR. The straightedge shall be held in successive positions parallel to the walk centerline, in contact with the surface, and the whole area tested from one Side of the slab to the other as necessary. The advance along the walk shall be in successive stages of not more than one-half the length of the straightedge. Any depressions shall be immediately filled with freshly mixed concrete and

- struck-off, consolidated and refinished. High areas shall be cut down and refinished. Straightedge testing and surface correction shall continue until the entire surface appears to conform to the required grade and cross section. All surface irregularities exceeding 1/4-inch in 10-feet shall be corrected.
4. Final Finish: As soon as the water sheen has disappeared and just before the concrete becomes nonplastic, all edges, including expansion joint edges, shall be finished with an edging tool having a radius of 1/4-inch. Finally the top shall be given a light broom finish perpendicular to the forms.
 5. Form Removal: After the concrete has sufficiently set a minimum of 12-hours, the CONTRACTOR shall remove the forms and shall backfill the space on each side. The earth shall be compacted and graded in a satisfactory manner without damage to the concrete work. Honeycombs shall be filled with sand cement mortar. Plastering will not be allowed on the face of the walk. Rejected walk shall be removed and replaced without additional compensation.
 6. All sidewalks shall be at least four inches (4") in depth except at ramps, driveways or other traffic loaded areas, where they shall be at least six inches (6") in depth.