

To PUT OUT
FOR BID

SPLOST

Requisition approval

Project: CITY PUBLIC SAFETY

Company:

Amount: _____

Account # 321.3100.9060.541320

PO # _____

Date 9/4/14

Approval:

Clay Murphey
Clay Murphey, Contract Oversight

9/4/14
Date

Julie Moore
Julie Moore, Budget Department

9/4/14
Date



Office of the Sheriff • Bibb County, Georgia

Sheriff David J. Davis

P.O.Box 930 • Macon, Georgia 31202-0930 • (478) 746-9441
www.bibbsheriff.org

August 29, 2014

Mr. Clay Murphy
P.O. Box 247
Macon, Georgia 31201

Re: SPLOST Project Repave SO Driver Training (EVOC) Tracks

Dear Mr. Murphy:

Attached are documents necessary to advertise the above project. Our estimated cost is in the range of \$50,000-\$200,000. This project is funded using SPLOST funds. We recommend award be evaluated based on the base bid.

We believe this project does require a mandatory pre-bid conference. The date should be coordinated with Cara Donlon-Cotton with the Bibb Sheriff's Office and Jeff Smith with the Macon-Bibb Engineering Department.

The project should be accomplished in 30 calendar days. Please include liquidated damages of (\$100) per day to cover our inspection costs for late performance.

Hard copies of project documents may be obtained from the Macon-Bibb County Engineering Department, 780 Third Street, Macon, GA 31201 for a charge of (\$50) for the drawings and an additional (\$50) for the specifications payable by check or money order.

If you have any questions, please contact Jesse Griffin at 478-621-5630

Sincerely,

A handwritten signature in black ink that reads 'David J. Davis'. The signature is fluid and cursive, with the first name 'David' being the most prominent.

Sheriff David J. Davis

Attachments:

1. Specifications (and General Provisions)
2. Bid Schedule
3. Recommended Bidders List
4. Drawings

Paved Area in Square Feet

Name	Area
Skid Pad	24145.93 Sq. Ft.
Pursuit Track	51185.43
Parking	21212.16
Parking Entrance	585.35
Defensive Driving Course	27456.75
Track Access Road	7455.65
Alt. Access Road to Defensive Driving Course	4645.66
Total Sq. Ft.	112541.00

**MACON-BIBB COUNTY SHERIFF'S DEPARTMENT
2014 SPLOST PROJECTS - RESURFACING DRIVER TRAINING COURSES**

ROAD NAME	BEGINNING	ENDING	AREA, YDS ²	COST	DESCRIPTION OF WORK
PURSUIT TRACK	Access drive	Access drive	5690	\$37,987.30	Crack Sealing and resurfacing of track driving surface
DEFENSIVE DRIVING COURSE	Access drive	Access drive	3060	\$20,371.30	Crack Sealing and resurfacing of track driving surface
TOTALS			8750	\$58,358.60	

**MACON-BIBB COUNTY SHERIFF'S DEPARTMENT
RESURFACING DRIVER TRAINING COURSES
2014 SPLOST PROJECT**

Bid Schedule

The quantities listed are an approximate estimate of the materials required to complete the asphalt overlay of the pursuit track and defensive driving course:

Driver Training Facility:

<u>Quantity</u>	<u>Unit</u>	<u>Item</u>	<u>Unit Price</u>	<u>Total</u>
180	GAL	Bituminous Tack	_____	_____
485	Tons	9.5 mm Asphalt concrete topping installed 1 in. thick.	_____	_____
	Lump Sum	Crack Sealant		_____
TOTAL				_____

01005 - STATEMENT OF WORK

STATEMENT OF WORK

PART 1 - GENERAL

1.01 STATEMENT OF WORK: This is a general overview of the project. Follow details shown by the specifications and drawings, interpreted in accordance with contract clauses.

A. Accomplish Work in Macon-Bibb County on the areas described in the project documents. This project requires the contractor to accomplish the following:

1. Provide an asphalt overlay

B. Price: Accomplish work shown for the original bid price. This includes special work times for utility locates, traffic control and repair of damages. The words "at no additional cost to Macon-Bibb" are implied whether stated or not.

C. Provide all labor, material, equipment, supplies, and coordination required to successfully complete the placement of an asphalt overlay.

D. Omitted

1.02 CONTRACT SITE AND WORK RESTRICTIONS:

The contractor shall not work outside of the prescribed hours of work unless scheduled by Macon-Bibb Engineering staff.

1.03 HOURS OF WORK:

A. Standard work hours for this project are normal work hours of 8:00 AM to 5:00 PM, local time, Monday through Friday. Work must stop on official Government holidays unless specifically approved in advance.

B. Alternate Work Hours

1. If the Contractor desires to work another set of standard hours submit written request five (5) workdays before the date desired to work the different standard.

2. To work special hours or days such as to continue paving until dark, request verbal approval from the Engineer at least four hours in advance.

3. The Government reserves the right to refuse these requests. In addition, work requiring inspector presence may not be possible outside normal hours or on short notice.

C. All references to days mean calendar days unless otherwise noted.

1.04 SUBMITTALS:

01005 - STATEMENT OF WORK

General: Provide the following submittals in accordance with instructions found in Section 01300, Submittals and Contractor Furnished Items.

PART 2 - OMITTED

PART 3 - OMITTED

Section 01005 Submittals

<u>Para #</u>	<u>Description</u>	<u>Date Required</u>	<u>Inspector Check Mark</u>
1.03 B	Alternate Work Hours	5 days prior	_____

<<<<< END OF SECTION >>>>>

01040 -SITE REQUIREMENTS

PART 1 - GENERAL

1.01 OMITTED

1.02 SUBMITTALS:

- A. General: Provide the following submittals in accordance with instructions found in Section 01300, Submittals and Contractor Furnished Items.
- B. Material Submittals: None required under this section.

1.03 OMITTED

PART 2 - OMITTED

PART 3 - EXECUTION

3.01 OMITTED

3.02 OMITTED

3.03 REPAIR OF WORK AND MATERIAL: Carefully lay out cutting, excavation, and placement of material to avoid damaging Government or private property or adjacent materials not involved in the project. If Contractor personnel or equipment inadvertently damage such items, then follow the procedures below. Failure to follow the notification procedures below shall be considered a serious violation of the contract.

- A. Notify the Engineer by telephone immediately and confirm within 3 days with a typed letter if damage to Government or private property occurs. The Government reserves the right to require the Contractor to work overtime and purchase material for repair before the end of the workday at no additional cost to the Government.
- B. Repair damage to match existing conditions as directed by the Engineer with skilled workmen of the trades involved at no additional cost to the Government.

3.04 OMITTED:

3.05 SITE MAINTENANCE, CLEAN UP, AND RESTORATION

- A. Maintain the work site in a neat, orderly, and safe manner.
- B. Remove scrap, waste, and excess materials promptly. Provide signs, barricades, and lights as required to protect personnel.
- C. Do not allow trash and debris to accumulate and become unsightly. Sweep up and collect in contractor-maintained disposal containers daily. Dispose of collected debris weekly as a minimum.

01040 -SITE REQUIREMENTS

- D. Store materials on or near the site in a neat and orderly manner.
- E. Restore the project site to its final condition as required by the contract as soon as possible.
- F. Do not excavate until material is on-hand or scheduled to arrive on same day. Close excavations or ditches as soon as the work has been placed, inspected, and accepted by the government.

Section 1040 Submittals

<u>Para #</u>	<u>Description</u>	<u>Date Required</u>	Inspector Checklist
3.03	Property Damage Notice	within 3 days of event	_____

<<<<< END OF SECTION >>>>>

01300 - SUBMITTALS AND CONTRACTOR FURNISHED ITEMS

4. Exceptions: If any material proposed for use on this contract deviates from the specifications, the Contractor shall submit those proposed deviations for approval along with detailed justification. All exceptions and deviations shall be described in detail with each product submittal. Cost will not be considered a justification for taking exceptions unless a credit is offered to the Government.

5. OMITTED

B. Other Submittals: Other submittals such as samples, test results, spare parts, and etc. shall be provided as required by each specifications section. Provide 3 copies of each unless directed otherwise.

1.04 RETURN AND DISAPPROVAL OF SUBMITTALS: The Engineer will return submittals to the Contractor within 14 days after receipt indicating approval or disapproval. Resubmittal of disapproved submittals shall be accomplished within 14 days after receipt of disapproval. Disapproval shall not be cause for time extension.

1.05 SUPERINTENDENT or MANAGER: When requested, provide name and qualifications for review. Provide the name and contact information of the person who will be the primary contact with the Government on this project until project acceptance.

1.06 OMITTED

1.07 OMITTED

1.08 OMITTED

1.09 OMITTED

1.10 PRE-AWARD SUBMITTALS: Submit the following items before award, if directed.

A. Experience: Provide documentation on contractor experience relative to this project. After bid opening, the Government may examine contractor experience. The Contractor and/or named subcontractors shall have been regularly engaged in the type work of this project for at least (2) years. Include for each subcontractor the name of the business and the individual responsible for this project.

B. References: Provide the names, addresses and telephone numbers of at least two customers for whom similar projects were performed in the last two years.

SUBMITTALS

<u>Para. #</u>	<u>Description</u>	<u>Date Required</u>	<u>Inspector Checklist</u>
1.10.A	Experience	Preaward	_____
1.10.B	Professional References	Preaward	_____

01300 - SUBMITTALS AND CONTRACTOR FURNISHED ITEMS

PART 1 - GENERAL

1.01 GENERAL:

A. Basic: Provide items requiring drawings, diagrams, certifications, manufacturers' literature, data brochures, technical data, sample requests, forms, and other data as noted under each specification section.

B. Contractor Responsibility: Review, Corrections, or Comments made on the Submittals do not relieve the contractor from compliance with the requirements of the Drawings, Specifications, Addendums, and Contract Documents. By entering into this contract, the contractor agrees that the purpose of submittals is to demonstrate to the Engineer that the contractor understands the design concept and that he demonstrates his understanding by indicating which equipment and material he intends to furnish, install, and use. Review of shop drawing will be general only for basic conformance with the design concept. The Government's review of such drawings, schedules, or cuts shall not relieve the contractor from the responsibility for correcting all errors of any sort contained in the submittals. The contractor is responsible for confirming and correlating all quantities and dimensions; selecting proper fabrication processes, construction methods and installation techniques; coordinating this work with that of all other trades; and performing all work in a safe, workmanlike and satisfactory manner.

1.02 OMITTED:

1.03 SUBMITTAL INSTRUCTIONS: Submittal requirements for each specification section are listed in those respective sections. The following apply to all sections.

A. Material Submittals:

1. Complete Submissions: All items requiring submittals prior to construction activities for each section should be provided at one time unless noted otherwise or logically required. In some instances the specifications may require certain items from one or more specifications sections to be submitted at one time.

2. Submittal Checklist: The contractor shall complete a copy of the checklist provided in the submittals paragraph of each specification section. This checklist shall be provided with each submittal. Submittal information shall be arranged in order to correspond with each checklist.

3. Time: The Contractor shall have approved submittals before ordering any equipment under this contract. If equipment is ordered prior to receiving approval, it will be solely at the Contractor's risk. Under no circumstances will material be installed prior to approval of submittals. There will be no time schedule for providing material submittals unless noted elsewhere in the specifications. The Contractor will be required to manage his materials/equipment lead times and obtain approval in sufficient time to complete the work on schedule. Disapproval of incomplete or unsatisfactory submittals shall not be grounds for contract extensions. Other submittals such as as-builts, test reports, etc., shall be provided as indicated. When the word "prior" is used, it shall generally mean prior to the delivery or installation of the product at the work site or prior to the time in question of the item addressed in the specification.

SECTION 01560 – ENVIRONMENTAL REQUIREMENTS

PART 1 - GENERAL

1.01 GENERAL:

- A. General Scope: This Section provides the requirements necessary to ensure that all construction projects are in environmental compliance. Major environmental program areas which may be affected include natural resources, air quality, solid wastes, and pollution prevention.
- B. Applicable Regulations and Publications: Comply with all applicable Federal, State of Georgia, any laws and regulations from other states where disposal might occur, and local laws and regulations concerning environmental compliance and pollution prevention.
- C. Ensure all products produced or generated under contract shall meet all stated performance objectives and shall not violate in any manner the environmental requirements of any applicable local, state, or federal entity.
- D. Macon-Bibb County personnel will conduct no-notice inspections to ensure compliance with all environmental requirements.
- E. Definitions:
 - 1. Engineer-Macon-Bibb Engineer or his or her designated representative.
 - 2. Inspector-The individual from the Macon-Bibb Engineering Department designated to perform daily inspection of the contractor's work.
 - 3. Dust - Minute solid particles caused to be suspended by natural forces or by mechanical processes such as, but not limited to, crushing, grinding, milling, drilling, demolishing, shoveling, conveying, covering, bagging, mixing, and sweeping.
 - 4. Open Burning - Any outdoor fire from which the products of combustion are emitted directly into the open air without passing through a stack, chimney or duct.
 - 5. Solid Waste - Defined in CFR 261.2. Examples include garbage, refuse, and other discarded solid material including non-hazardous wastes resulting from industrial, commercial, and agricultural operations.
 - 6. GA EPD - Georgia Environmental Protection Division of the Department of Natural Resources.

1.02 OMITTED

1.03 SUBMITTALS:

- A. General: Provide the following submittals in accordance with instructions found in Section 01300, Submittals and Contractor Furnished Items.
- B. Material Submittals: Not required under this section.

1.04 NOTIFICATIONS:

- A. Provide to the Engineer all data specified herein to insure compliance with applicable environmental requirements.

1. Permits: Not Required

2. OMITTED

PART 2 - OMITTED.

PART 3 - EXECUTION

3.01 OMITTED

3.03 PROTECTION OF LAND RESOURCES:

- A. General: Do not take any action which shall adversely affect the existing Water Quality Standards classification of any streams, rivers, lakes or reservoirs within or adjacent to the project site or which would otherwise contribute to pollution of these water resources. No fuel, oils, bituminous, calcium chloride, acids, construction waste or otherwise harmful materials shall be permitted to enter these water resources. Preserve the land resources in their present condition or restore to a condition that appears natural and does not detract from the appearance of the surrounding area. If restoration is to be accomplished, the Contractor must submit his restoration plan and receive approval from the County on his proposed procedures.
- B. Omitted.
- C. Omitted
- D. Omitted
- E. Spills: Prevent the spill of chemicals, fuels, oils, grease, bituminous materials, waste washings, or any other materials. Immediately report all spills to the Macon-Bibb County Fire Department, emergency number 911, giving name, telephone number, location of spill, and type and amount of material spilled. Notify the Engineer of the spill immediately following initial reporting to the Fire Department. Take containment action against any hazardous spills, which threaten storm drains and other environmental areas. Ensure clean up of materials spilled as a result of contractor action, or lack thereof. The contractor is responsible for the clean up of material(s) spilled. No spill residue shall be transported off site without specific approval from the Engineer. The contractor shall provide support, as appropriate, for containment and clean up of spills. If the spill exceeds reportable quantity limits, coordinate notification to the National Response Center with the local office of the Environmental Protection Division (EPD) through the Engineer.

3.04 OMITTED:

3.05 DUST CONTROL: Maintain all excavations, embankments, stockpiles, haul roads, permanent access roads, plant sites, waste areas, borrow areas, and all other work within or without the project boundaries free from dust which could cause a hazard or nuisance to others. Approved temporary methods of stabilization consisting of sprinkling, chemical treatment, light bituminous treatment or similar methods are permitted to control dust. To be approved, sprinkling must be repeated at such intervals as to keep all parts of the disturbed area damp at all times. If sprinkling is used, keep sufficient equipment on the job site at all times. Perform dust control as the work proceeds and whenever a dust nuisance or hazard occurs.

3.06 OMITTED:

3.07 OMITTED

3.08 OMITTED:

3.10 OMITTED:

3.11 OMITTED:

3.12 OMITTED:

---- END OF NARRATIVE SECTION ----

SECTION 02000: HOT MIX ASPHALT AND PATCHING PROCEDURES:

A. Omitted

B. Omitted

C. Hot Mix Asphaltic Concrete Construction:

1. General Description

The work includes constructing one or more courses of bituminous plant mixture on the prepared foundation or existing roadway surface. The mixture shall conform with lines, grades, thickness, and typical cross sections shown on the drawings or in the statement of work established by the engineer.

This section includes the requirements for all bituminous plant mixture regardless of the gradation of the aggregates, type and amount of bituminous material, or pavement use.

2. Preparation

Prepare the existing surface as follows:

Clean the existing surface to the Engineer's satisfaction before applying the necessary crack sealant, bituminous tack coat and hot mix asphalt topping.

3. Surface Preparation:

When the existing surface is irregular, bring it to the proper cross section and grade with a leveling course of hot mix asphaltic concrete materials.

4. Construction

Provide the Engineering at least one day's notice prior to beginning construction, or prior to resuming production if operations have been temporarily suspended.

5. Observe Weather Condition Limitations

Do not mix and place asphaltic concrete if the existing surface is wet or frozen. Do not lay asphaltic concrete at air temperature below 55F. For other courses, follow the temperature guidelines in the following table:

Table-Lift Thickness Table

Lift Thickness	Minimum Temperature
1 in (25 mm) or less	55 F (13 C)
1.1 to 2 in (26 mm to 50 mm)	45 F (8 C)
2.1 to 3 in (51 mm to 75 mm)	35 F (2 C)
3.1 to 4 in (76 mm to 100 mm)	30 F (0 C)
4.1 to 8 in (101 mm to 200 mm)	Contractor's discretion

6. Perform Spreading and Finishing:

- a. 9.5 mm "Superpave" hot mix asphalt used as finished topping is to be spread and finished to a minimum topping thickness of 1.00 in.
- b. Unload the mixture into the paver hopper or into a device designed to receive the mixture from delivery vehicles.
- c. Except for leveling courses, spread the mixture to the loose depth for the compacted thickness or the spread rate, Use a mechanical spreader true to the line, grade, and cross section specified.
- d. Obtain the Engineer's approval for the sequence of paving operations, including paving the adjoining lanes. Minimize tracking tack onto surrounding surfaces.
- e. Ensure that the outside edges of the pavement being laid are aligned and parallel to the roadway center line.
- f. Where mechanical equipment cannot be used, spread and rake the mixture by hand. Obtain the Engineer's approval of the operation

sequence, including compactive methods, in these areas.

- g. Keep small hand raking tools clean and free from asphalt build-up. Do not use fuel oil or other harmful solvents to clean tools during the work.
- h. Do not use mixture with any of these characteristics:
 - Segregated
 - Nonconforming temperature
 - Deficient or excessive asphalt cement content
 - Otherwise unsuitable to place on the roadway in the work
- i. Remove and replace mixture placed on the roadway that the Engineer determines has unacceptable blemish levels from segregation, streaking, pulling and tearing, or other characteristics. Replace with acceptable mixture at the Contractor's expense. Do not continually place mixtures with deficiencies.

Do not place subsequent course lifts over another lift or course placed on the same day while the temperature of the previously placed mix is 140 F or greater.

- j. Obtain the Engineer's approval of the material compaction equipment. Perform the rolling as follows:
 - 1. Begin the rolling as close behind the spreader as possible without causing excessive distortion of the asphalt surface.
 - 2. Continue rolling until roller marks are no longer visible.
- k. If applicable, taper or "feather" asphalt from full depth to a depth no greater than 0.5 in along curbs, gutters, raised pavement edges, and areas where drainage characteristics of the road must be retained. The Engineer will determine the location and extent of tapering.

7. Maintain Continuity of Operations

Coordinate plant production, transportation and paving operations to maintain a continuous operation. If the spreading operations are interrupted, construct a transverse joint if the mixture immediately behind the paver screed cools to less than 250 F.

8. Construct the Asphalt Joints

- a. Construct Asphalt Joints:

1. Construct asphalt joints to facilitate full depth exposure of the course before resuming placement of the affected course.
2. Properly clean and tack the vertical face of the transverse joint before placing additional material.
3. Straightedge asphalt joints immediately after forming the joint.
4. Immediately correct any irregularity that exceeds 3/16 in. in 10 ft.
5. Never burn or heat the joint by applying fuel oil or other volatile materials.

9. Protect the Pavement

Protect sections of the newly finished pavement from traffic until the traffic will not mar the surface or alter the surface texture. If directed by the Engineer, use artificial methods to cool the newly finished pavement to open the pavement to traffic more quickly.

10. Testing

The Hot Mix Asphalt that is used in any resurfacing project is subject to random geotechnical testing. The contractor will be required to submit 2 grab samples of hot mix asphalt each day as it is delivered to the project site. These samples shall be tested for gradation and AC content. The contractor must use a certified commercial testing laboratory as directed by the engineer. The engineer will determine when these tests are to be performed. The contractor shall forward the results of random testing to the engineer within 14 days of sampling. Furthermore, a mix design shall be submitted to the engineer 14 calendar days prior to the patch being installed.

11. Segregated Mixture

If the mixture is segregated in the finished mat, the Engineering Department will take actions based on the degree of segregation. The actions are described below.

Unquestionably Unacceptable Segregation:

When the Engineer determines that the segregation in the finished mat is unquestionable unacceptable, following these measures:

1. Suspend Work and require the Contractor to take positive corrective action. The Engineer will evaluate the segregated areas to determine the extent of the corrective work to complete.
2. If there is a mechanical failure that results in a petroleum spill onto the hot mix asphalt mat then production must cease until the necessary mechanical repairs have been made to the equipment and the areas of the mat that have been affected by the spill have been removed and replaced.

12. Measurement

A. Omitted

B. Omitted

C. Hot Mix Asphalt

Hot mix asphaltic concrete, including tack coat complete in place and accepted, is measured in tons. Since payments will be by the ton of asphalt used, the contractor shall provide a copy of the asphalt load tickets to the inspector at the time of delivery.

D. Omitted

13. Payment

A. Omitted

B. Omitted

C. Hot Mix Asphalt

Payment for hot mix asphalt of the various types are paid for at the Contract Unit price per ton. Payment is full compensation for furnishing and placing crack sealant, asphalt and tack coat; also included are cleaning and repairing, preparing surfaces, hauling, mixing, spreading, rolling, and performing other operations to complete the Control item.

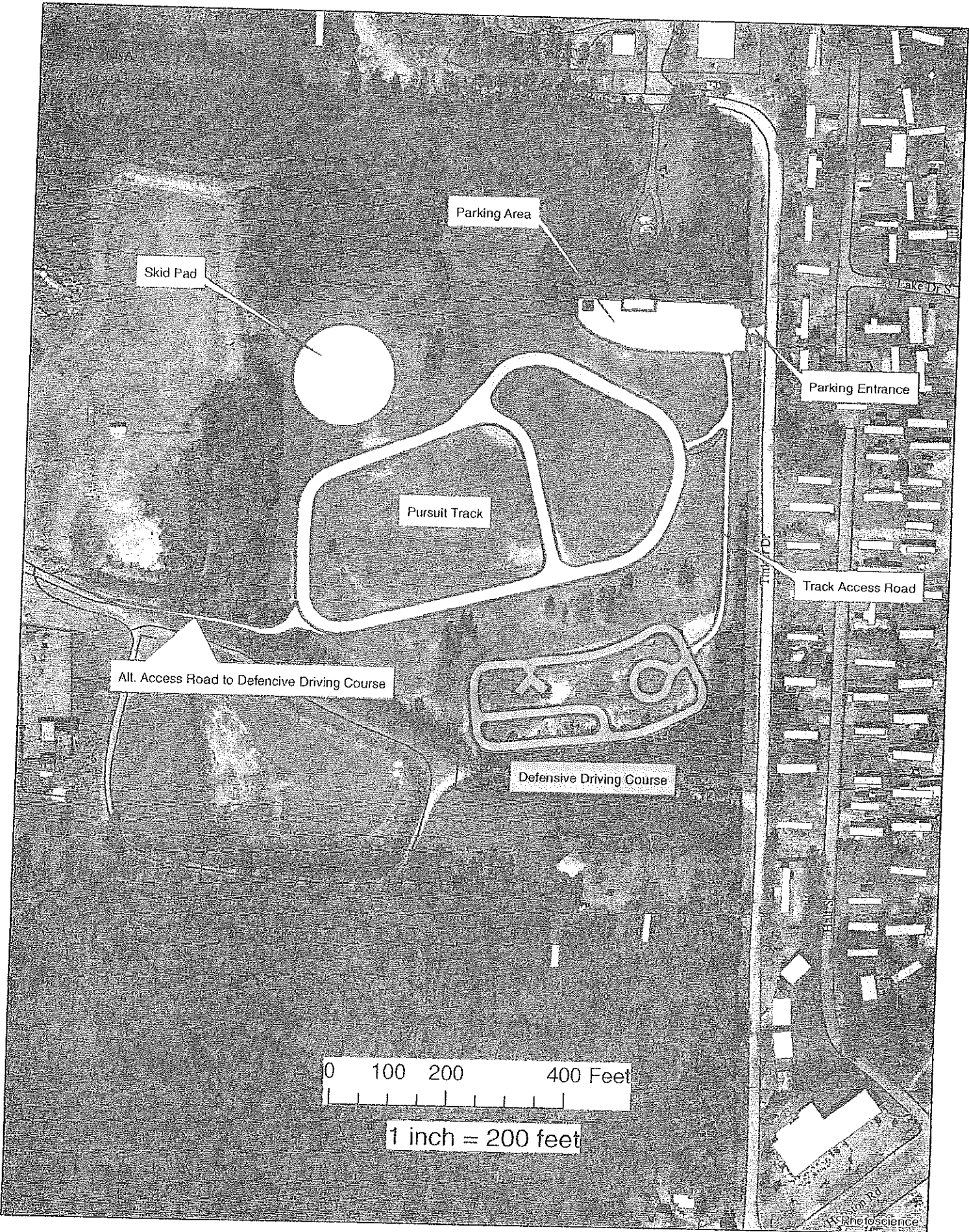
D. Submittals

Para#	Description	Date Required	Inspector Check
C.10	Asphalt Mix Design	14 days prior	_____

C.10	Random Asphalt Testing Results	14 days following	_____
C.12.C	Asphalt Load Tickets	Upon Delivery	_____

Recommended Bidders List

- 1- Reeves Construction Company (478-743-0593)
2500 Gray Hwy.
Macon, Ga. 31211
- 2- Georgia Asphalt, Inc. (478-476-8484)
7547 Highway 87
Juliette, Ga. 31029
- 3- Womack Paving Co. (478-986-3374)
P.O. Box 483
Gray, Ga. 31032
- 4- Macon Asphalt Paving (478-951-6335)
308 Millwood Ct.
Macon, Ga. 31210
- 5- Houston Asphalt Paving (478-922-0066)
P.O. Box 27300
Macon, Ga. 31221



Skid Pad

Parking Area

Parking Entrance

Pursuit Track

Track Access Road

Alt. Access Road to Defensive Driving Course

Defensive Driving Course

0 100 200 400 Feet

1 inch = 200 feet

R Photoscience