



**E-MAILED/MAILED**

**TO:** All Vendors  
Tywana Scott, Quality Assurance Analyst  
Herbert Judon, Jr., Augusta Regional Airport

**FROM:** Geri Sams  
Procurement Director

**DATE:** May 31, 2024

**SUBJ:** **New Bid Opening Date, Clarifications to the Specifications and Responses to Vendor's Questions**

**BID ITEM:** **Bid Item #24-203 Taxiway F Reconstruction for Augusta, GA - Augusta Regional Airport**

**NEW BID OPENING DATE: Thursday, June 13, 2024 @ 3:00 p.m.**

**ADDENDUM NO. 1**

This Addendum shall form a part of the referenced Bid Item #24-203 Taxiway F Reconstruction and any agreement entered into in connection therewith equally as if bound into the original document. Acknowledge receipt of all Addendums on Attachment "B" within the Specifications package.

The Bid Opening Date for Bid Item #24-203 Taxiway F Reconstruction for Augusta, GA – Augusta Regional Airport has been changed:

**From: Wednesday, June 5, 2024 @ 3:00 p.m.**

**To: Thursday, June 13, 2024 @ 3:00 p.m.**

**Clarifications to the Specifications:**

When you are instructed to **ADD, DELETE, or MAKE CHANGES** to a **BID ITEM PAGE OR PAGES**, these additions, deletions, or changes **MUST** be made on the bid item pages you submit with your bidding proposal, whether handwritten or computer generated.

**Changes to other pages:**

When you are instructed to **DELETE** something which is **NOT** on a Bid Item Page, you may line through the text diagonally and/or print or write the word **"DELETE"** on the text being deleted. Physically removing the page(s) is not necessary.

When you are instructed to **ADD A NON-BID ITEM PAGE(S), OR PORTIONS THEREOF**, you **MUST CONSIDER** it/them in developing your bid, but the physical insertion of the new page(s) into the proposal is not necessary.

**Project Manual Changes/Clarifications:**

1. **Pages BF-1 through BF-45:** Updated and revised line items within the bid tabs. **Delete** pages BF-1 through BF-45 and **replace** with revised pages BF-1 thru BF-45 included in this Addendum No. 1
2. **Pages P-221-1 through P-221-5:** **Delete** and **replace** specification P-220 with P-221 included within this Addendum No. 1.

Room 605 - 535 Telfair Street, Augusta Georgia 30901  
(706) 821-2422 - Fax (706) 821-2811

[www.augustaga.gov](http://www.augustaga.gov)

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Scan this QR code with your smartphone or camera equipped tablet to visit the Augusta, Georgia

### Construction Drawing changes:

1. **Sheets G-061:** Updated and revised sheet to match bid tabs. **Delete** sheet G-061 and **replace** with revised sheet G-061 attached to this Addendum No. 1.
2. **Sheet C-301:** Updated and revised sheet to match the project and material definitions as defined in the project manual. **Delete** sheet C-301 and **replace** with revised sheet C-301 attached to this Addendum No. 1.
3. **Sheet C-671:** Updated detail callout. **Delete** sheet C-671 and **replace** with revised sheet C-671 attached to this Addendum No. 1.

### Response to Questions:

1. Question: Do Contractors have to bid all Alternates or is it their choice which ones they want to bid?  
**Response: Contractor is not required to bid on all alternates as shown within the issued for Bid documents, however, to be considered eligible for award and compliant, the Contractor must submit on at least one of the options as shown on Page BF-34. The owner reserves the right to award the contract as they deem appropriate and shall only be awarded as shown in the project manual.**
2. Question: There is only one form for DBE submittal information, without knowing which alternates and/or additives will be accepted, how do contractors determine the DBE value to complete the form? Is the DBE value only on the Base Bid?  
**Response: The DBE documents comprise from BF-41 through BF-45, not "only one form." The bidders should submit ALL forms (BF-41 ~ BF-45). Contractor shall make the assessment on their own on how to handle if there are multiple bid options submitted. The DBE forms (BF-41 ~ BF-45) should be submitted with each option.**
3. Bid Option 2A requires Recycled Asphalt Milling Base Course 24-inch thickness. Based on the existing pavement area and the thickness from the cores taken in the geotechnical report, this will not provide the required amount of Recyc Asph Milling Base needed. Is additional asphalt material available onsite or will additional materials have to be imported from offsite?  
**Response: Please refer to the revised P-221 specification issued and attached to this Addendum #1.**
4. Question: The unit for bid item 19 "unclassified excavation" is in SY. Please correct the unit to CY  
**Response: Please refer to the Project Manual Changes/Clarifications referenced in this Addendum #1.**
5. Question: The unit for bid item 51 "Remove Existing Conduit & Cable" is EA. Please correct the unit to LF  
**Response: Please refer to the Project Manual Changes/Clarifications referenced in this Addendum #1.**
6. Question: Detail 1 on plan sheet C-061 references a 10" – 11.5" graded aggregate base section that is to be salvaged and used in P-221. Is this supposed to reference P-220? Can this same section be salvaged and reused in the P-209 item? This seems to give an advantage to the asphalt shoulder option. Please advise.  
**Response: Specification P-220 has been revised to P-221. Please refer to the revised P-221 specification issued and attached to this Addendum #1. Existing graded aggregate base may be reused as P-209 as long as it complies with the requirements outlined within the P-209 specification.**
7. Question: Can you please confirm that the material in both borrow piles noted on the plans will meet the specification requirements for the P-152 embankment material?  
**Response: The contractor shall be responsible for testing material within the borrow piles shown on the plans for conformity with P-152 specification when using for embankment.**

8. Question: How is the excavation for the temp sediment basins paid for?  
**Response: Excavation for the temporary sediment basin(s) shall be included and paid for under line item C-102.e.**
9. Question: How are the wooden baffles in the sediment basins paid for?  
**Response: Wooden baffles for the temporary sediment basin(s) shall be included and paid for under line item C-102.e.**
10. Question: How is the temporary pipe in the sediment basins paid for?  
**Response: Temporary Pipe for the temporary sediment basin(s) shall be included and paid for under line item C-102.e.**
11. Question: Line Item# 15 on the Bid Schedule-Base Bid, the Item Description states, "Asphaltic Concrete Pavement Removal, Full Depth, Off Site". On the project plans, Sheet C-061, detail 1 shows the asphalt concrete removal to be "Mill & Stockpile onsite". Please clarify.  
**Response: In the event that the awarded bid package includes Bid Option 2A, material shall be stockpiled onsite for use in the P-221 section. Any material generated in excess of what is necessary for Item P-221 shall be disposed of off-site.**
12. Question: Line Item# 16 on the Bid Schedule-Base Bid, the Item Description states, "Asphaltic Concrete Pavement Removal, Full Depth Shoulder, Off Site". On the project plans, Sheet C-061, detail 2 shows the asphalt concrete removal to be "Mill & Stockpile onsite". Please clarify.  
**Response: In the event that the awarded bid package includes Bid Option 2A, material shall be stockpiled onsite for use in the P-221 section. Any material generated in excess of what is necessary for Item P-221 shall be disposed of off-site.**
13. Question: Line item #19 on the Bid Schedule-Base Bid shows a unit of "SY" on "Unclassified Excavation". This is generally paid by the "CY", please clarify.  
**Response: Please refer to the Project Manual Changes/Clarifications referenced in this Addendum #1.**
14. Question: Line items # 27 and #28 on the Bid Schedule-Base Bid appear to be the same bid item based on the Item Description, please clarify.  
**Response: Please refer to the Project Manual Changes/Clarifications referenced in this Addendum #1.**
15. Question: Line item # 51 on the Bid Schedule-Base Bid, the Unit is "EA", this is typically "LF". Please clarify.  
**Response: Please refer to the Project Manual Changes/Clarifications referenced in this Addendum #1.**
16. Question: Will the DBE goal be based solely on the base bid amount?  
**Response: The DBE forms (BF-41 ~ BF-45) should be submitted with each bid package option. The additive alternative shall meet the DBE goal set if awarded.**
17. Question: Is the bidding contractor required to price both the concrete options and the asphalt options?  
**Response: No**
18. Question: Does the airport have a designated onsite waste area for unsuitable soil/over excavation or is this to be hauled offsite?  
**Response: Waste shall be disposed of off-site preferably at the Augusta Landfill.**
19. Question: If there is a designated onsite waste area, please identify the location of this area?  
**Response: Waste shall be disposed of off-site preferably at the Augusta Landfill.**
20. Question: Is the contractor to obtain topsoil onsite for Line item #34 on the Bid Schedule-Base Bid, "Topsoiling, Staging Area"?  
**Response: Please refer to Specification T-905 in the project manual.**

21. Question: Is the contractor to obtain topsoil onsite for Line item #43 on the Bid Schedule- Additive Alternate 3A Concrete Apron, "Topsoiling, Staging Area"?
- Response: Please refer to Specification T-905 in the project manual.**
22. Question: Is the contractor to obtain topsoil onsite for Line item #43 on the Bid Schedule- Additive Alternate 3B Asphalt Apron, "Topsoiling, Staging Area"?
- Response: Please refer to Specification T-905 in the project manual.**
23. Questions: Please identify the location of the onsite topsoil stockpile to use in the topsoil bid items.
- Response: There are no existing topsoil stockpiles on-site. Topsoil stockpiles refer to temporary locations on-site comprised of generated material from stripping operations by the contractor. Approved stockpile locations shall be agreed upon prior to and during construction.**
24. Question: Please identify the location of the onsite embankment stockpile to use in the "embankment in place" bid items.
- Response: Please refer to sheet G-031 and G-081 for reference to existing stockpile locations onsite.**
25. Question: Will a profilograph be required on the taxiway, shoulders, and apron?
- Response: Please refer to specifications regarding the requirement for a profilograph.**
26. Question: Unclassified excavation is included in the base bid. There is a difference in depth thickness between the concrete and asphalt options. Depending on which option is selected, how is the extra unclassified excavation to be paid for?
- Response: Payment for unclassified excavation shall be based upon the unit price as bid and the actual quantities of work performed in accordance with the contract documents and as accepted by the engineer.**
27. Can crumb rubber be used in lieu of PG 76-22 in the asphalt mixes?
- Response: No**
28. Question: If the contractor elects to setup a portable concrete plant, does the airport have an area onsite that the plant can be setup?
- Response: Yes, however the location of the batch plant shall be agreed upon by the Owner prior to setup. Please refer to the staging locations as shown on G-081 for the proposed batch plant locations.**
29. Question: Is it possible to obtain a digital PDF of the bid manual instead of a scanned version?
- Response: No.**
30. Question: Is it possible to obtain an Excel form to fill out the bid schedule instead of a scanned version?
- Response: Contractor shall use the bid form/schedule as provided.**
31. Question: Details 1 and 7 on sheet C-451 call for bedding material on the underdrain's trench and casting. Would #57 stone be acceptable for this?
- Response: Please refer to Specification D-705 for bedding material requirements.**
32. Question: Can the test strip required as per P-501 be part of the actual taxiway / shoulder construction?
- Response: Yes, at the contractor's risk. Please refer to Specification P-501 for specific requirements regarding the test strip.**
33. Question: Where would be the location for the proposed stockpile of milled material removed from shoulder / taxiway sections?
- Response: Approved stockpile locations shall be determined prior to/during construction and shall be approved by the Engineer and Owner.**
34. Question: Is the 10% limit stated on spec C-105 calculated based on the base bid or shall it govern base bid + additive alternates?
- Response: Mobilization shall not exceed 10% of the awarded project cost. Additive**

**alternates are considered separate projects and the Mobilization line item shall be reflective of that.**

35. Question: Under which pay item should dry pond shown on detail 1C-413 be allocated?  
**Response: The dry pond shall be paid for under the individual line items and construction elements associated with construction of the feature (ex. Unclassified excavation, outlet structure, etc.).**
36. Question: Is there any specific detail or reference in regards on how must the orange painted lathe designating the RSA boundary be?  
**Response: No.**
37. Question: Is it possible to obtain the project's plan holders list?  
**Response: Please reach out to Augusta Blueprint for a plan holders list at (706) 722-6488 or [www.augustablue.com](http://www.augustablue.com)**
38. Question: Can you please confirm 6" PVC Perf pipe quantities for the base bid schedule as well as the alternate? They differ from our takeoff quantities.  
**Response: Please refer to the quantities within the IFB documents.**
39. Question: Schedule of items calls for 2 EA Cleanouts Type II on base bid, however, bid plans show only 1 EA. Can you please clarify?  
**Response: Please refer to the Project Manual Changes/Clarifications referenced in this Addendum #1.**
40. Question: If a concrete batch plant was to be utilized in this project, where would the Airport allow its location?  
**Response: Concrete batch plant shall be located in either the primary or secondary staging areas as shown on G-081.**
41. Question: C-301, Note 3.  
**Response: Please refer to the Construction Drawing changes referenced in this Addendum #1.**
42. Question: Bid Schedule 2A: This base is 24" RAP, can 6" RAP be considered for Bid Schedule 2B?  
**Response: No.**
43. Question: Bid Schedule: Base Bid items 15, 16 & 18 require asphalt removal offsite, C-061 Sections 1 & 2 require stockpile on-site. Please clarify. Also, will any excess millings remain on-site. What is the location if so?  
**Response: In the event that the awarded bid package includes Bid Option 2A, material shall be stockpiled onsite for use in the P-221 section. Any material generated in excess of what is necessary for Item P-221 shall be disposed of off-site preferably the Augusta Landfill.**
44. Question: Plan Sheet G-081, Under what circumstances would secondary staging area be used?  
**Response: In the event the primary staging area is unavailable.**
45. Question: Apron Bid Schedules: The concrete section for the taxiway and apron are the same but the asphalt section is much smaller on the apron option. Can these sections be more fairly matched like the taxiway?  
**Response: No.**
46. Question: P-152-2.1: Please denote the waste areas for unsuitable material.  
**Response: Waste material shall be disposed of off-site.**
47. Question: General: Is the double row of silt fence measured separately for payment?  
**Response: No.**
48. Question: Bid Schedule: There are 4 EA preformed surface signs but plan sheet C-671 Detail 1 also shows thermoplastic hold lines. Are these required, and how will they be paid if so?  
**Response: Please refer to the Project Manual Changes/Clarifications referenced in**

**this Addendum #1. Hold line shall be surface painted.**

49. Question: Bid Schedule: Base Bid Item 19 has SY for the unit, Item 27 description is Type III, Item 51 unit is EA

**Response: Please refer to the Project Manual Changes/Clarifications referenced in this Addendum #1.**

50. Question: General, Do all bid options have to be bid?

**Response: Contractor is not required to bid on all alternates as shown within the issued for Bid documents, however, to be considered eligible for award and compliant, the Contractor must submit on at least one of the options as shown on Page BF-34. The owner reserves the right to award the contract as they deem appropriate and shall only be awarded as shown in the project manual.**

**Please acknowledge addendum in your submittal**

**END OF ADDENDUM**

**ATTACHMENTS: REVISED BID FORM (45 PAGES)  
ITEM P-221 (5 PAGES)  
DRAWINGS (3 PAGES)**

# BID FORM

(Failure to furnish all requested data will be cause for considering BIDDER non-responsive and may render this BID invalid on that basis.)

**BID FOR:**                    **AUGUSTA REGIONAL AIRPORT  
TAXIWAY F RECONSTRUCTION**

**SUBMITTED TO:**        Augusta-Richmond County  
                                 Attn: Procurement Director  
                                 535 Telfair Street, Room 605  
                                 Augusta, GA 30901

**SUBMITTED BY:**

Bidder's Name	
Address	
City, State and Zip Code	
Phone / Fax	Date Completed

1. The undersigned, hereinafter called Bidder, in compliance with the "Notice to Bidders" accepting all of the terms and conditions of the "Instructions to Bidders," including without limitation those dealing with the disposition of the Bid Security; proposes and agrees, if awarded the Contract, to enter into an agreement with the Owner utilizing the form Contract included in the Bid Documents. Bidder shall furnish all materials, equipment, machinery, tools, apparatus, means of transportation and labor necessary to complete the work to be performed under the Contract within the time indicated in the contract, in full and complete accordance with the shown, noted, described and reasonably intended requirements of the Contract Documents, to the full and entire satisfaction of the Owner, for the amounts contained in this Bid Schedule.
2. This Bidder's bid shall remain open for sixty (60) days after the day of Bid opening. If awarded a contract, Bidder will sign the Contract and submit the Contract Security and other documents required by the Contract Documents within fifteen (15) calendar days after the date indicated in Owner's Notice of Award.
3. In submitting this Bid, the Bidder represents that:
  - a. Bidder has become thoroughly familiar with the terms and conditions of the Bid Documents accepting the same as sufficient to indicate understanding of all the conditions and requirements under the Contract which will be executed for the Work.
  - b. Bidder has examined the site and locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules and regulations) and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as Bidder deems necessary.



- c. This Bid is genuine and not made in the interest of or on behalf of any undisclosed person, firm or corporation and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any person, firm or corporation to refrain from submitting a bid; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over Owner.
- d. No member of the Augusta Board of Commissioners, Aviation Commission or other officers or employees of said Owner is interested directly or indirectly in the bid or in any portion of the bid or in the Contract or any part of the Contract which may be awarded the undersigned on the basis of such bid without such full disclosure being made.
- e. It is a condition of this bid and any subsequent contract entered into pursuant to this bid, and it shall be made a condition of each subcontract entered into pursuant to the prime contract that the Contractor and any subcontractor shall not require any laborer to mechanic employed in the performance of the contract to work in surroundings or under working conditions which are unsatisfactory, hazardous, or dangerous to his/her health or safety, as determined under Construction Safety and Health Standards, Title 29 , CFR Part 1518 36FR7340, promulgated by the U.S. Secretary of Labor, in accordance with Section 107 of the Contract Work hours and Safety Standards act, Stat. 96; that is further condition of this bid that Bidder shall be solely responsible for the enforcement of such Construction and Health Standards, and that Bidder fully understands that the Owner and its authorized representatives will not assume any liability resulting from the Contractor's failure to police and enforce all such standards.
- f. The description under each bid item, being briefly stated, implies, although it does not mention, all incidentals and that the prices stated are intended to cover all such work, materials and incidentals as constitute Bidder's obligations as described in the Specifications, and any details not specifically mentioned, but evidently included in the Contract shall be compensated for in the item which most logically includes it.
- g. The unit prices bid include all applicable taxes and fees. Bids shall also include appropriate provisions for price escalation for materials and labor including but not limited to increases in federal, state and local sales taxes and income or FICA taxes.

4. **Contract Time:** Bidder agrees that:

- a. The work will be completed within the timeframes described in the General Provisions and the Construction Documents.
- b. Bidder shall commence work with an adequate force and equipment at the time stated in the Notice to Proceed and complete all work by the date established in said Notice. Bidder shall not work overtime or on Saturdays, Sundays, or legal holidays except as specifically allowed by the Contract Documents and approved by the Owner.
- c. **The quantities of work listed in the Bid Schedules are APPROXIMATE and are assumed solely for the comparison of bids. Compensation will be based upon the unit price bid and the ACTUAL quantities of work performed in accordance with the Contract Documents and as accepted by the ENGINEER.**

5. **Bid Schedule:** See attached Pages BF-3 through BF-34.



**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
1	C-100.1	Contractor Quality Control program (CQCP)	1	LS		
	Written Unit Price					
2	C-102.1a	Installation, Maintenance, and Removal of Silt Fence Type A	2,060	LF		
	Written Unit Price					
3	C-102.1b	Installation, Maintenance, and Removal of Silt Fence Type C	3,300	LF		
	Written Unit Price					
4	C-102.1c	Construct, Maintain, and Remove Inlet Sediment Trap - Filter Fabric	1	EA		
	Written Unit Price					
5	C-102.1e	Construct and Remove Temporary Sediment Trap - Rock Outlet	1	EA		
	Written Unit Price					
6	C-102.1f	Construct and Remove Rock Filter Dams	1	EA		
	Written Unit Price					
7	C-102.1i	Construct, Maintain, and Remove Construction Exit	1	EA		
	Written Unit Price					

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Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
8	C-102.1j	Rip Rap, Type 3, 18" Depth	62	SY		
	Written Unit Price					
9	C-102.1k	Water Quality Monitoring and Sampling	2	EA		
	Written Unit Price					
10	C-102.1l	Water Quality Inspections	9	EA		
	Written Unit Price					
11	C-102.1m	Erosion Control Mobilization	1	LS		
	Written Unit Price					
12	C-102.1n	Emergency Erosion Control Mobilization	1	LS		
	Written Unit Price					
13	C-105.1	Mobilization, Cleanup, and Demobilization	1	LS		
	Written Unit Price					
14	C-105.2	Airfield Safety and Traffic Control	1	LS		
	Written Unit Price					

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Location of Project: Augusta Regional Airport, Augusta, Georgia

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Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
15	P-101.1	Asphaltic Concrete Pavement Removal, Full Depth, Off Site	19,590	SY		
	Written Unit Price					
16	P-101.2	Asphaltic Concrete Pavement Removal, Full Depth Shoulder, Off Site	6,110	SY		
	Written Unit Price					
17	P-101.3	PCC Concrete Pavement Removal, Full Depth, Off Site	2,170	SY		
	Written Unit Price					
18	P-101.4	Asphaltic Concrete Pavement Removal, Full Depth Misc., Off Site	200	SY		
	Written Unit Price					
19	P-152.1	Unclassified Excavation	2,900	CY		
	Written Unit Price					
20	P-152.2	Unsuitable/Over Excavation	10,000	CY		
	Written Unit Price					
21	P-152.3	Embankment in place obtained on-site	4,000	CY		
	Written Unit Price					

**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

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Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
22	P-152.4	Embankment in place obtained off-site	1,000	CY		
	Written Unit Price					
23	P-152.5	Subgrade Preparation	28,440	SY		
	Written Unit Price					
24	D-705.1	6-Inch Perforated Polyethylene Underdrain Pipe, Schedule 40, Complete	3,980	LF		
	Written Unit Price					
25	D-705.2	6-Inch Solid Polyethylene Underdrain Pipe, Schedule 40, Complete	100	LF		
	Written Unit Price					
26	D-705.3	Underdrain Clean-out Type I	12	EA		
	Written Unit Price					
27	D-705.4	Underdrain Clean-out Type II	1	EA		
	Written Unit Price					
28	D-705.5	Underdrain Clean-out Type III	1	EA		
	Written Unit Price					

**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
29	T-901.1	Temporary Seeding	2	AC		
	Written Unit Price					
30	T-901.2	Permanent Seeding	2	AC		
	Written Unit Price					
31	T-901.3	Seeding, Staging Area	5	AC		
	Written Unit Price					
32	T-904.1	Sodding	2,270	SY		
	Written Unit Price					
33	T-905.1	Topsoiling (Obtain on Site)	1,340	CY		
	Written Unit Price					
34	T-905.2	Topsoiling, Staging Area	2,470	CY		
	Written Unit Price					
35	T-908.1	Mulching	53,840	SY		
	Written Unit Price					

**BID SCHEDULE – BASE BID**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
36	L-108.1	No. 8 AWG, 5kV, L-824 Type C Cable	6,100	LF		
Written Unit Price						
37	L-108.2	No. 6 AWG Counterpoise, Including Grounding Rods, Installed	5,220	LF		
Written Unit Price						
38	L-108.3	Temporary #8 AWG, 5kV Jumper Cable	210	LF		
Written Unit Price						
39	L-110.1	Concrete Encased Type II Electrical Duct Bank, 8-Way 2-inch C	130	LF		
Written Unit Price						
40	L-110.2	Flowable Fill Encased, Electrical Conduit, 1-Way 2-inch C	4,630	LF		
Written Unit Price						
41	L-110.3	Non-Encased, Electrical Conduit, 1-Way 2-inch C	590	LF		
Written Unit Price						
42	L-110.4	Demo Concrete Encased Electrical Duct Bank	130	LF		
Written Unit Price						

**BID SCHEDULE – BASE BID**

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Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
43	L-115.1	Salvage & Reinstall Precast Electrical Manhole	2	EA		
	Written Unit Price					
44	L-125.1	Salvage Taxiway Edge Light & Remove Base Can	46	EA		
	Written Unit Price					
45	L-125.2	Remove PCC Sign Foundation	1	EA		
	Written Unit Price					
46	L-125.3	L-861 Salvaged Taxiway Edge Light Base Can w/ Salvaged Light	29	EA		
	Written Unit Price					
47	L-125.4	L-861 Salvaged Taxiway Edge Light Base Can w/ Drainage w/ Salvaged Light	13	EA		
	Written Unit Price					
48	L-125.7	Salvage (E) Guidance Sign & Remove PCC Foundation	2	EA		
	Written Unit Price					
49	L-125.8	Install Salvaged Guidance Sign on New PCC Foundation	2	EA		
	Written Unit Price					



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Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
50	L-125.9	Taxiway Guidance Sign, 2 Module, Size 2, Style 3, Mode 2 on New PCC Foundation	1	EA		
	Written Unit Price					
51	L-125.10	Remove Existing Conduit & Cable	4,770	LF		
	Written Unit Price					

**Total Base Bid =** \_\_\_\_\_

**Total Base Bid Written =** \_\_\_\_\_

**BID SCHEDULE – BID OPTION 1A (CONCRETE TAXIWAY)**  
**Location of Project: Augusta Regional Airport, Augusta, Georgia**  
**Title of Project: Augusta Regional Airport Reconstruct Taxiway G**

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
1	P-209.1	Crushed Aggregate Base Course	4,390	CY		
	Written Unit Price					
2	P-304.1	Cement Base Course (6")	17,060	SY		
	Written Unit Price					
3	P-501.2	Portland Cement Concrete Pavement (13")	15,460	SY		
	Written Unit Price					
4	X-501.1	Portland Cement Concrete Curing Facility	1	LS		
	Written Unit Price					
5	P-605.1	Joint Sealing Filler	29,950	LF		
	Written Unit Price					
6	P-620.1	Surface Preparation (Marking Removal)	2,630	SF		
	Written Unit Price					
7	P-620.2	Permanent Pavement Markings	19,230	SF		
	Written Unit Price					

**BID SCHEDULE – BID OPTION 1A (CONCRETE TAXIWAY)**  
 Location of Project: Augusta Regional Airport, Augusta, Georgia  
 Title of Project: Augusta Regional Airport Reconstruct Taxiway G

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
8	P-620.3	Reflective Media	730	LBS		
	Written Unit Price					
9	P-620.4	Temporary Pavement Markings	19,230	SF		
	Written Unit Price					
10	P-620.5	Thermoplastic Performed Surface Sign	4	EA		
	Written Unit Price					

**Total Bid Option 1A (Concrete Taxiway) = \_\_\_\_\_**

**Total Bid Option 1A (Concrete Taxiway) Written = \_\_\_\_\_**

**BID SCHEDULE – BID OPTION 1B (ASPHALT TAXIWAY)**  
**Location of Project: Augusta Regional Airport, Augusta, Georgia**  
**Title of Project: Augusta Regional Airport Reconstruct Taxiway F**

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
1	P-209.1	Graded Aggregate Base Course	10,970	CY		
	Written Unit Price					
2	P-401.1	Asphalt Concrete Surface Course	3,480	TON		
	Written Unit Price					
3	P-403.1	Asphalt Pavement Base/Surface Course	4,800	TON		
	Written Unit Price					
4	P-602.1	Emulsified Asphalt Prime Coat	1,550	GAL		
	Written Unit Price					
5	P-603.1	Emulsified Asphalt Tack Coat	770	GAL		
	Written Unit Price					
6	P-620.1	Surface Preparation (Marking Removal)	2,630	SF		
	Written Unit Price					
7	P-620.2	Permanent Pavement Markings	8,450	SF		
	Written Unit Price					

**BID SCHEDULE – BID OPTION 1B (ASPHALT TAXIWAY)**  
**Location of Project: Augusta Regional Airport, Augusta, Georgia**  
**Title of Project: Augusta Regional Airport Reconstruct Taxiway F**

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
8	P-620.3	Reflective Media	730	LBS		
	Written Unit Price					
9	P-620.4	Temporary Pavement Markings	8,450	SF		
	Written Unit Price					
10	P-620.5	Thermoplastic Preformed Surface Sign	4	EA		
	Written Unit Price					

**Total Bid Option 1B (Asphalt Taxiway) = \_\_\_\_\_**

**Total Bid Option 1B (Asphalt Taxiway) Written = \_\_\_\_\_**

**BID SCHEDULE – BID OPTION 2A ASPHALT SHOULDERS**  
 Location of Project: Augusta Regional Airport, Augusta, Georgia  
 Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
1	P-221.1	Recycled Asphalt Millings Base Course	7,250	CY		
Written Unit Price						
2	P-403.1	Asphalt Pavement Base/Surface Course	2,390	TON		
Written Unit Price						
3	P-602.1	Emulsified Asphalt Prime Coat	1,060	GAL		
Written Unit Price						
4	P-603.1	Emulsified Asphalt Tack Coat	530	GAL		
Written Unit Price						

**Total Bid Option 2A (Asphalt Shoulders) = \_\_\_\_\_**

**Total Bid Option 2A (Asphalt Shoulders) Written = \_\_\_\_\_**

**BID SCHEDULE – BID OPTION 2B CONCRETE SHOULDERS**  
 Location of Project: Augusta Regional Airport, Augusta, Georgia  
 Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
1	P-209.1	Crushed Aggregate Base Course	1,810	CY		
	Written Unit Price					
2	P-501.1	Portland Cement Concrete Pavement (12")	10,620	SY		
	Written Unit Price					
3	P-605.1	Joint Sealing Filler	8,970	LF		
	Written Unit Price					

**Total Bid Option 2B (Concrete Shoulders) = \_\_\_\_\_**

**Total Bid Option 2B (Concrete Shoulders) Written = \_\_\_\_\_**



**BID SCHEDULE – ADDITIVE ALTERNATE 3A CONCRETE APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
1	C-100.1	Contractor Quality Control program (CQCP)	1	LS		
	Written Unit Price					
2	C-102.1b	Installation, Maintenance, and Removal of Silt Fence Type C	2,160	LF		
	Written Unit Price					
3	C-102.1d	Construct, Maintain, and Remove Inlet Sediment Trap – Excavated	2	EA		
	Written Unit Price					
4	C-102.1e	Construct and Remove Temporary Sediment Trap - Rock Outlet	1	EA		
	Written Unit Price					
5	C-102.1g	Construct, Maintain, and Remove Retrofit Perforated Half-Round Pipe w/ Stone Filter	1	EA		
	Written Unit Price					
6	C-102.1h	Construct, Maintain, and Remove Stone Filter Ring	1	EA		
	Written Unit Price					
7	C-102.1i	Construct, Maintain, and Remove Construction Exit	1	EA		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3A CONCRETE APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
8	C-102.1j	Rip Rap, Type 3, 18" Depth	790	SY		
Written Unit Price						
9	C-102.1k	Water Quality Monitoring and Sampling	2	EA		
Written Unit Price						
10	C-102.1l	Water Quality Inspections	9	EA		
Written Unit Price						
11	C-102.1m	Erosion Control Mobilization	1	LS		
Written Unit Price						
12	C-102.1n	Emergency Erosion Control Mobilization	1	LS		
Written Unit Price						
13	C-105.1	Mobilization, Cleanup, and Demobilization	1	LS		
Written Unit Price						
14	C-105.2	Airfield Safety and Traffic Control	1	LS		
Written Unit Price						

**BID SCHEDULE – ADDITIVE ALTERNATE 3A CONCRETE APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
15	P-152.1	Unclassified Excavation	3,000	CY		
	Written Unit Price					
16	P-152.2	Unsuitable/Over Excavation	5,000	CY		
	Written Unit Price					
17	P-152.3	Embankment in place obtained on-site	8,000	CY		
	Written Unit Price					
18	P-152.4	Embankment in place obtained off-site	2,000	CY		
	Written Unit Price					
19	P-152.5	Subgrade Preparation	27,360	SY		
	Written Unit Price					
20	P-209.1	Crushed Aggregate Base Course	6,840	CY		
	Written Unit Price					
21	P-304.1	Cement Treated Base Course (6")	27,200	SY		

**BID SCHEDULE – ADDITIVE ALTERNATE 3A CONCRETE APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
22	P-501.2	Portland Cement Concrete Pavement (13")	26,700	SY		
	Written Unit Price					
23	X-501.1	Portland Cement Concrete Curing Facility	1	LS		
	Written Unit Price					
24	P-605.1	Joint Sealing Filler	35,290	LF		
	Written Unit Price					
25	P-620.1	Surface Preparation (Marking Removal)	2,630	SF		
	Written Unit Price					
26	P-620.2	Permanent Pavement Markings	5,270	SF		
	Written Unit Price					
27	P-620.3	Reflective Media	280	LBS		
	Written Unit Price					
28	P-620.4	Temporary Pavement Markings	5,270	SF		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3A CONCRETE APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
29	D-701.1	Concrete Sewer Pipe, 36 inch, Class V	520	LF		
	Written Unit Price					
30	D-701.2	Concrete Sewer Pipe 36 inch, Class III	160	LF		
	Written Unit Price					
31	D-705.1	6-Inch Perforated Polyethylene Underdrain Pipe, Schedule 40, Complete	1,160	LF		
	Written Unit Price					
32	D-705.2	6-Inch Solid Polyethylene Underdrain Pipe, Schedule 40, Complete	60	LF		
	Written Unit Price					
33	D-705.3	Underdrain Clean-out Type I	4	EA		
	Written Unit Price					
34	D-705.5	Underdrain Clean-out Type III	1	EA		
	Written Unit Price					
35	D-751.1	Airfield Inlet with Airfield Rated Grate	2	EA		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3A CONCRETE APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
36	D-752.1	36" Concrete Headwall/MES	2	EA		
	Written Unit Price					
37	D-752.2	Outlet Control Structure	1	EA		
	Written Unit Price					
38	T-901.1	Temporary Seeding	2	AC		
	Written Unit Price					
39	T-901.2	Permanent Seeding	2	AC		
	Written Unit Price					
40	T-901.3	Seeding, Staging Area	5	AC		
	Written Unit Price					
41	T-904.1	Sodding	820	SY		
	Written Unit Price					
42	T-905.1	Topsoiling (Obtain on Site)	900	CY		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3A CONCRETE APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
43	T-905.2	Topsiiling, Staging Area	2,470	CY		
	Written Unit Price					
44	T-908.1	Mulching	38,390	SY		
	Written Unit Price					
45	L-108.1	No. 8 AWG, 5kV, L-824 Type C Cable	6,510	LF		
	Written Unit Price					
46	L-108.2	No. 6 AWG Counterpoise, Including Grounding Rods, Installed	5,630	LF		
	Written Unit Price					
47	L-110.2	Flowable Fill Encased, Electrical Conduit, 1-Way 2-inch C	3,590	LF		
	Written Unit Price					
48	L-110.3	Non-Encased, Electrical Conduit, 1-Way 2-inch C	2,040	LF		
	Written Unit Price					
49	L-125.3	L-861 Taxiway Edge Light Base Can w/ Salvaged Light	43	EA		
	Written Unit Price					



**BID SCHEDULE – ADDITIVE ALTERNATE 3A CONCRETE APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
50	L-125.4	L-861 Taxiway Edge Light Base Can w/Drainage w/ Salvaged Light	3	EA		
	Written Unit Price					
51	L-125.6	Base Mounted, LED Medium Intensity Taxiway Edge Light	16	EA		
	Written Unit Price					

**Total Bid Additive Alternative 3A (Concrete Apron) = \_\_\_\_\_**

**Total Bid Additive Alternative 3A (Concrete Apron) Written = \_\_\_\_\_**

**BID SCHEDULE – ADDITIVE ALTERNATE 3B ASPHALT APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
1	C-100.1	Contractor Quality Control program (CQCP)	1	LS		
	Written Unit Price					
2	C-102.1b	Installation, Maintenance, and Removal of Silt Fence Type C	2,160	LF		
	Written Unit Price					
3	C-102.1d	Construct, Maintain, and Remove Inlet Sediment Trap – Excavated2	2	EA		
	Written Unit Price					
4	C-102.1e	Construct and Remove Temporary Sediment Trap - Rock Outlet	1	EA		
	Written Unit Price					
5	C-102.1g	Construct, Maintain, and Remove Retrofit Perforated Half-Round Pipe w/ Stone Filter	1	EA		
	Written Unit Price					
6	C-102.1h	Construct, Maintain, and Remove Stone Filter Ring	1	EA		
	Written Unit Price					
7	C-102.1i	Construct, Maintain, and Remove Construction Exit	1	EA		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3B ASPHALT APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
8	C-102.1j	Rip Rap, Type 3, 18" Depth	790	SY		
	Written Unit Price					
9	C-102.1k	Water Quality Monitoring and Sampling	2	EA		
	Written Unit Price					
10	C-102.1l	Water Quality Inspections	9	EA		
	Written Unit Price					
11	C-102.1m	Erosion Control Mobilization	1	LS		
	Written Unit Price					
12	C-102.1n	Emergency Erosion Control Mobilization	1	LS		
	Written Unit Price					
13	C-105.1	Mobilization, Cleanup, and Demobilization	1	LS		
	Written Unit Price					
14	C-105.2	Airfield Safety and Traffic Control	1	LS		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3B ASPHALT APRON**  
**Location of Project: Augusta Regional Airport, Augusta, Georgia**  
**Title of Project: Augusta Regional Airport Reconstruct Taxiway F**

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
15	P-152.1	Unclassified Excavation	3,000	CY		
	Written Unit Price					
16	P-152.2	Unsuitable/Over Excavation	5,000	CY		
	Written Unit Price					
17	P-152.3	Embankment in place obtained on-site	14,300	CY		
	Written Unit Price					
18	P-152.4	Embankment in place obtained off-site	3,600	CY		
	Written Unit Price					
19	P-152.5	Subgrade Preparation	27,360	SY		
	Written Unit Price					
20	P-209.1	Graded Aggregate Base Course	6,040	CY		
	Written Unit Price					
21	P-401.1	Asphalt Concrete Surface Course	6,010	TON		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3B ASPHALT APRON**  
**Location of Project: Augusta Regional Airport, Augusta, Georgia**  
**Title of Project: Augusta Regional Airport Reconstruct Taxiway F**

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
22	P-403.1	Asphalt Pavement Base/Surface Course	7,650	TON		
	Written Unit Price					
23	P-602.1	Emulsified Asphalt Prime Coat	2,670	GAL		
	Written Unit Price					
24	P-603.1	Emulsified Asphalt Tack Coat	1,340	GAL		
	Written Unit Price					
25	P-620.1	Surface Preparation (Marking Removal)	2,630	SF		
	Written Unit Price					
26	P-620.2	Permanent Pavement Markings	3,230	SF		
	Written Unit Price					
27	P-620.3	Reflective Media	280	LBS		
	Written Unit Price					
28	P-620.4	Temporary Pavement Markings	3,230	SF		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3B ASPHALT APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
29	D-701.1	Concrete Sewer Pipe, 36 inch, Class V	520	LF		
	Written Unit Price					
30	D-701.2	Concrete Sewer Pipe 36 inch, Class III	160	LF		
	Written Unit Price					
31	D-705.1	6-Inch Perforated Polyethylene Underdrain Pipe, Schedule 40, Complete	1,160	LF		
	Written Unit Price					
32	D-705.2	6-Inch Solid Polyethylene Underdrain Pipe, Schedule 40, Complete	60	LF		
	Written Unit Price					
33	D-705.3	Underdrain Clean-out Type I	4	EA		
	Written Unit Price					
34	D-705.5	Underdrain Clean-out Type III	1	EA		
	Written Unit Price					
35	D-751.1	Airfield Inlet with Airfield Rated Grate	2	EA		
	Written Unit Price					

**BID SCHEDULE – ADDITIVE ALTERNATE 3B ASPHALT APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
36	D-752.1	36" Concrete Headwall/MES	2	EA		
	Written Unit Price					
37	D-752.2	Outlet Control Structure	1	EA		
	Written Unit Price					
38	T-901.1	Temporary Seeding	2	AC		
	Written Unit Price					
39	T-901.2	Permanent Seeding	2	AC		
	Written Unit Price					
40	T-901.3	Seeding, Staging Area	5	AC		
	Written Unit Price					
41	T-604.1	Sodding	820	SY		
	Written Unit Price					
42	T-905.1	Topsoiling (Obtain on Site)	900	CY		
	Written Unit Price					



**BID SCHEDULE – ADDITIVE ALTERNATE 3B ASPHALT APRON**

Location of Project: Augusta Regional Airport, Augusta, Georgia

Title of Project: Augusta Regional Airport Reconstruct Taxiway F

<b>Line No.</b>	<b>Item No.</b>	<b>Item Description</b>	<b>Est. Qty.</b>	<b>Units</b>	<b>Unit Price</b>	<b>Bid Amount</b>
43	T-905.2	Topsoiling, Staging Area	2,470	CY		
Written Unit Price						
44	T-908.1	Mulching	38,390	SY		
Written Unit Price						
45	L-108.1	No. 8 AWG, 5kV, L-824 Type C Cable	6,510	LF		
Written Unit Price						
46	L-108.2	No. 6 AWG Counterpoise, Including Grounding Rods, Installed	5,630	LF		
Written Unit Price						
47	L-110.2	Flowable Fill Encased, Electrical Conduit, 1-Way 2-inch C	3,590	LF		
Written Unit Price						
48	L-110.3	Non-Encased, Electrical Conduit, 1-Way 2-inch C	2,040	LF		
Written Unit Price						
49	L-125.3	L-861 Taxiway Edge Light Base Can w/ Salvaged Light	43	EA		
Written Unit Price						

**BID SCHEDULE – ADDITIVE ALTERNATE 3B ASPHALT APRON**  
 Location of Project: Augusta Regional Airport, Augusta, Georgia  
 Title of Project: Augusta Regional Airport Reconstruct Taxiway F

Line No.	Item No.	Item Description	Est. Qty.	Units	Unit Price	Bid Amount
50	L-125.4	L-861 Taxiway Edge Light Base Can w/Drainage w/ Salvaged Light	3	EA		
Written Unit Price						
51	L-125.6	Base Mounted, LED Medium Intensity Taxiway Edge Light W/ Drainage	16	EA		
Written Unit Price						

**Total Bid Additive Alternative 3B (Asphalt Apron) = \_\_\_\_\_**

**Total Bid Additive Alternative 3B (Asphalt Apron) Written = \_\_\_\_\_**

**SUMMARY OF BIDS**

BASE BID = \_\_\_\_\_

**BASE BID Written:** \_\_\_\_\_

BID OPTION 1A (Concrete Taxiway) = \_\_\_\_\_

**BID OPTION 1A (Concrete Taxiway) Written =** \_\_\_\_\_

BID OPTION 1B (Asphalt Taxiway) = \_\_\_\_\_

**BID OPTION 1B (Asphalt Taxiway) Written =** \_\_\_\_\_

BID OPTION 2A (Asphalt Shoulder) = \_\_\_\_\_

**BID OPTION 2A (Asphalt Shoulder) Written =** \_\_\_\_\_

BID OPTION 2B (Concrete Shoulder) = \_\_\_\_\_

**BID OPTION 2B (Concrete Shoulder) Written =** \_\_\_\_\_

BASE BID + BID OPTION 1A (Concrete Taxiway) + BID OPTION 2A (Asphalt Shoulders) =

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**BASE BID + BID OPTION 1A (Concrete Taxiway) + BID OPTION 2A (Asphalt Shoulders) Written =**

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BASE BID + BID OPTION 1A (Concrete Taxiway) + BID OPTION 2B (Concrete Shoulders) =

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**BASE BID + BID OPTION 1A (Concrete Taxiway) + BID OPTION 2B (Concrete Shoulders) Written =**

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BASE BID + BID OPTION 1B (Asphalt Taxiway) + BID OPTION 2A (Asphalt Shoulders) =

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**BASE BID + BID OPTION 1B (Asphalt Taxiway) + BID OPTION 2A (Asphalt Shoulders) Written =**

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TOTAL BID ADDITIVE ALTERNATIVE 3A (Concrete Apron) = \_\_\_\_\_

**TOTAL BID ADDITIVE ALTERNATIVE 3A (Concrete Apron) Written = \_\_\_\_\_**

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TOTAL BID ADDITIVE ALTERNATIVE 3B (Asphalt Apron) = \_\_\_\_\_

**TOTAL BID ADDITIVE ALTERNATIVE 3B (Asphalt Apron) Written = \_\_\_\_\_**

6. **Determination of Low Bidder:** Low bidder shall be determined based on the total of the base bid and bid option as provided within the bid forms, regardless of the additive alternate. Owner shall reserve the right to award the overall project and additive alternate as deemed fit.

7. **Execution of Contract:** Bidder agrees that in case of failure on its part to execute the said Contract and Bonds within fifteen (15) days after the date indicated in the "Notice of Award," the check or bid bond accompanying this bid, and the money payable thereon, shall be paid to the Owner as liquidated damages for such failure; otherwise the Bid Security or check accompanying this bid shall be returned to the undersigned.

8. **Documentation:** The following required documents are attached to and made a part of this bid

- a. Required Bid Security in the form of a Bid Bond payable to the order of the City of Augusta;
- b. Performance of Work by Subcontractor List;
- c. Certificate of Prompt Payment

9. Name and business address (mailing and street) of Bidder to which all formal notices shall be sent:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10. The terms used in this bid, which are defined in the General Provisions of the Construction Contract as a part of the Contract Documents, have the meanings assigned to them in the General Provisions.

11. Bidder hereby acknowledges receipt of the following addenda:

Addendum No.	Date
_____	_____
_____	_____
_____	_____

12. The Bidder shall state on the line below, if a corporation, the name of state in which incorporated and the date of said corporation.

\_\_\_\_\_  
Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_  
Contractor

\_\_\_\_\_  
By: \_\_\_\_\_  
(Signature of individual, partner or officer signing the Bid)

(SEAL) \_\_\_\_\_  
License Number

ATTEST: \_\_\_\_\_

NOTE: If Contractor is a Corporation, Secretary should attest seal. Seal is required if Bidder is a Corporation. If Contractor is a Partnership, all partners shall execute the bid (add spaces as required).

# BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned

as **Principal**, and

as **Surety**, are hereby

held and firmly bound unto \_\_\_\_\_ as **Owner**

in the penal sum of \_\_\_\_\_

for the payment of which, well and truly to be made, we hereby jointly and severally

bind ourselves, our heirs, executors, administrators, successors, and assigns.

Signed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_.

The conditions of the above obligation is such that whereas the Principal has submitted to the Augusta Airport Aviation Commission certain Bill, attached hereto and hereby made a part hereof to enter into a Contract in writing for the Construction of:

## AUGUSTA REGIONAL AIRPORT TAXIWAY F RECONSTRUCTION

NOW THEREFORE,

- (a) If said bid shall be rejected, or in the alternate,
- (b) If said bid shall be accepted, and the Principal shall execute and deliver a Contract in the Form of Contract attached hereto (properly completed in accordance with said Bill) and for the payment of all persons performing labor or furnishing materials in connection therewith, and shall in all other respects perform the agreement created by the acceptance of said Bill, the this obligation shall be void, otherwise the same shall remain in force and effect; it being expressly understood and agreed that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the penal amount of this obligation as herein stated.

The Surety, for value received, thereby stipulates and agrees that obligations of said Surety and its Bonds shall be in no way impaired or affected by any extension of the time within which the Owner may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

(L.S.)  
Principal

Surety

By:

(SEAL)

- (1) Date of Bond must be same date as bid.
- (2) Bond must be signed or countersigned by Surety's proper Georgia Resident Agent. Date of Power-of-Attorney shall be same date as date of Bond.
- (3) If a Partnership, all partners shall execute Bond.



## PERFORMANCE OF WORK BY SUBCONTRACTORS

The Bidder hereby states that he proposes to use the subcontractors listed below on this project if awarded the Contract. Please list all proposed subcontractors, trade specialty and dollar value of their work. The Bidder shall obtain prior written permission of the Owner should it choose to add or substitute other subcontractor(s) not shown below.

Subcontractor Name/Address/Phone Number	Subcontractor Work Items	Dollar Value of Subcontractor Work

Estimated Total Cost of Items that Bidder states will be performed by Subcontractors is:

\$ \_\_\_\_\_.

## CERTIFICATION OF PROMPT PAYMENT

The prime Contractor agrees to pay each subcontractor under this prime contract for satisfactory performance of its contract no later than thirty (30) days from the receipt of each payment the prime Contractor receives from the Owner. The prime Contractor further agrees to return retainage payments to each subcontractor within thirty (30) days after the subcontractor's work is satisfactorily completed. Any delay or postponement of payment from the above referenced time frame may occur only for good cause following written approval from the Owner. This clause applies to both DBE and non-DBE subcontractors.

---

Name of Bidder's  
Authorized Representative  
(Please Print or Type Name)

---

Signature of Bidder's  
Authorized Representative

---

Title of Bidder's  
Authorized Representative

---

Date



**LETTER OF INTENT**  
**Disadvantage Business Enterprise**  
*(This page shall be submitted for each DBE firm)*

**Bidder/Offer** Name: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**DBE Firm:** DBE Firm: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

**DBE Contact Person:** Name: \_\_\_\_\_ Phone: (\_\_\_\_) \_\_\_\_\_

**DBE Certifying Agency:** \_\_\_\_\_ Expiration Date: \_\_\_\_\_  
*Each DBE Firm shall submit evidence (such as a photocopy) of their certification status.*

**Classification:**  Prime Contractor  Subcontractor  Joint Venture  
 Manufacturer  Supplier

Work item(s) to be performed by DBE	Description of Work Item	Quantity	Total

The Bidder/offeror is committed to utilizing the above-named DBE firm for the work described above. The estimated participation is as follows:

DBE contract amount: \$ \_\_\_\_\_ Percent of total contract: \_\_\_\_\_%

**AFFIRMATION:**  
 The above-named DBE firm affirms that it will perform that portion of the contract for the estimated dollar value as stated herein above.

By: \_\_\_\_\_  
 (Signature) (Title)

\* In the event the bidder/offeror does not receive award of the prime contract, any and all representations in this Letter of Intent and Affirmation shall be null and void.



## UTILIZATION STATEMENT Disadvantage Business Enterprise (DBE)

The undersigned Bidder has satisfied the requirements of the bid specification in the following manner. *(Please mark the appropriate box)*

- The Bidder is committed to a minimum of \_\_\_\_\_ % DBE utilization on this contract.
  
- The Bidder, while unable to meet the DBE contract goal of \_\_\_\_\_ %, hereby commits to a minimum of \_\_\_\_\_ % DBE utilization on this contract and submits the attached documentation as evidence demonstrating good faith efforts (GFE) in seeking participation by certified DBE firms.

The undersigned hereby further assures that the information included herein is true and correct, and that the DBE firm or firms identified within the submitted Letter-of-Intent forms have agreed to perform a commercially useful function for the indicated work elements.

The undersigned further understands that no changes to this statement may be made without prior approval from the Owner and the Federal Aviation Administration.

\_\_\_\_\_  
Bidder's / Offeror's Firm Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

### DBE UTILIZATION SUMMARY

Percentage	Contract amount	DBE Amount	Contract
<b>DBE Prime Contractor</b>	\$ _____ x 1.00 =	\$ _____	%
<b>DBE Subcontractor</b>	\$ _____ x 1.00 =	\$ _____	%
<b>DBE Supplier</b>	\$ _____ x 0.60 =	\$ _____	%
<b>DBE Manufacturer</b>	\$ _____ x 1.00 =	\$ _____	%
<b>Total Amount DBE</b>		\$ _____	%
<b>DBE Goal</b>		\$ _____	%

\* If the total proposed DBE participation is less than the established DBE goal, Bidder/Proposer must provide written documentation of the good faith efforts as required by 49 CFR Part 26. All participation will be calculated in accordance with 49 CFR Part 26 and its applicable subparts.

## Description of Good Faith Efforts

If you will not meet the Disadvantage Business Enterprises (DBE) goal set forth in the solicitation in addition to the information included on the Statement of Interested Subcontractors and Statement of Bid Proposals/Price Quotations submitted with your bid/proposal, please provide a narrative explanation of why you cannot meet the DBE goal and the steps taken to include DBEs in your proposal/bid. Describe specific actions (i.e. phone calls, etc.). Please provide copies of any solicitation notices sent, whether by email, fax or mail, and the amount of time given for response. Describe efforts to follow up initial communications. Identify the individuals from your organization who performed these activities. Attach additional pages as needed.

I hereby attest that I have exercised good faith efforts to meet the City's federally required Disadvantaged Business Enterprise goals for this Project. Despite such good faith efforts, I have not been able to meet the DBE goal for this Project.

---

Signature

---

Name and Title (typed or printed)

---

Name of Firm

## CHECKLIST OF GOOD FAITH EFFORTS

A Bidder or Proposer that does not meet the City's DBE participation benchmark is required to demonstrate that it made "good faith efforts." Please indicate whether any of the following actions were taken.

- |     | <u>Yes</u>               | <u>No</u>                |   |
|-----|--------------------------|--------------------------|---|
| 1.  | <input type="checkbox"/> | <input type="checkbox"/> | Attendance at a Pre-Bid Meeting, if any, scheduled by the City inform DBEs of subcontracting opportunities under a given solicitation; Advertisement for solicitation of DBEs in general circulation media, trade association publications, and minority-focus media, to provide notice of subcontracting opportunities.  |
| 2.  | <input type="checkbox"/> | <input type="checkbox"/> | Advertisement in general circulation media at least seven (7) days prior to Bid or proposal opening any and all Subcontractor opportunities. Proof of advertisement must be submitted with the Bid or Proposal.   |
| 3.  | <input type="checkbox"/> | <input type="checkbox"/> | Provided interested DBEs with timely, adequate information about the plans, specifications, and other such requirements of the Contract to facilitate their quotation and conducted follow up to initial solicitations.   |
| 4.  | <input type="checkbox"/> | <input type="checkbox"/> | Provided written notice to DBEs that their interest in subcontracting opportunities or furnishing supplies is solicited. Provided a contact log showing the name, address, email and contact number (phone or fax) used to contact the proposed certified subcontractors, nature of work requested for quote, date of contact, the name and title of the person making the effort, and the amount of the quoted price if one was obtained.  |
| 5.  | <input type="checkbox"/> | <input type="checkbox"/> | Efforts were made to divide the work for DBE subcontracting in areas likely to be successful and identify portions of work available to DBEs consistent with their availability. Include a list of divisions of work not subcontracted and the corresponding reasons for not including them. The ability or desire of a Bidder/Proposer to perform the work of a contract with its own organization does not relieve it of the responsibility to make good faith efforts on all scopes of work subject to subcontracting. |
| 6.  | <input type="checkbox"/> | <input type="checkbox"/> | Efforts were made to assist potential DBE subcontractors to meet bonding, insurance or other governmental contracting requirements. Where feasible, facilitating the leasing of supplies or equipment when they are of such a specialized nature that a DBE could not readily and economically obtain them in the marketplace.  |
| 7.  | <input type="checkbox"/> | <input type="checkbox"/> | Utilization of services of available minority community organizations, minority contractor groups and other organizations that provide assistance in the recruitment and placement of DBEs.   |
| 8.  | <input type="checkbox"/> | <input type="checkbox"/> | Communication with the GDOT or the City's DBE Office seeking assistance in identifying available DBEs.  |
| 9.  | <input type="checkbox"/> | <input type="checkbox"/> | Exploration of joint venture opportunities with DBEs.   |
| 10. | <input type="checkbox"/> | <input type="checkbox"/> | Other actions (specify): _____  |

Please provide written explanation to any "no" answers listed above (by number):

This list is a guideline and by no means exhaustive. The City will review these efforts, along with other documents, towards assessing the Bidder/Proposer's efforts to meet the City's DBE benchmark. If you require assistance in identifying certified DBEs, please contact the Procurement Department or check the GDOT website.

## ITEM P-221 RECYCLED ASPHALT MILLING BASE COURSE

### DESCRIPTION

**221-1.1** This item consists of a recycled asphalt aggregate base course resulting from the milling, removal, blending and placing the existing aggregate base, existing bituminous surfacing, and possibly one or more courses of aggregate into a uniform base material constructed on a prepared course in accordance with these specifications and in conformity to the dimensions and typical cross-sections shown on the plans.

### MATERIALS

**221-2.1 Recycled Asphalt Millings Base Course.** Materials removed by milling/grinding shall be salvaged and blended with pulverized AC/AB, unless otherwise approved by engineer. Recycled asphalt millings base course material used for shoulder base shall meet the requirements of Table 1 and be blended together to create a composite recycled material.

**TABLE 1**

Sieve Size	Percent Passing
2 inch	100
1 1/2 inch	90 - 100
1 inch	70 - 90
3/4 inch	55-70

**a. Deleterious substances.** Materials for aggregate base shall be kept free from weeds, sticks, grass, roots and other foreign matter.

**b. Uniformity.** The materials shall be thoroughly recycled (pulverized and mixed) to ensure a uniform gradation.

No oversized material will be allowed and shall be crushed or removed from the job site. Material crushing methods shall be approved by the engineer. A portable crusher and screen shall be provided as necessary to meet gradation requirements. The allowable Recycled Asphalt Pavement (RAP) range shall be 20 to 40% of the blended base course or what is required to meet the gradation requirements. The maximum RAP allowed in the base course material shall be 40%. Recycled AC/AB Material shall be stockpiled for use as recycled base course and shall be tested in accordance with ASTM C 136.

### 221-2.2 Stabilization

**a. Mechanical stabilization.** Not required.

**b. Chemical Stabilization.** Not required.

**221-2.3 Water.** Water used in mixing or curing shall be from potable water sources. Other sources shall be tested in accordance with ASTM C1602 prior to use.

**221-2.4 Quality Control (QC) Sampling and testing.** The Contractor shall take at least two Recycled Asphalt Aggregate Base Course samples per day of production in the presence of the Resident Project Representative (RPR) to check the gradation. Sampling shall be per ASTM D75. Material shall meet the requirements in paragraph 221-2.1. Samples shall be taken from the in-place, un-compacted material at random sampling locations per ASTM D3665.



## CONSTRUCTION METHODS

**221-3.1 General.** The subbase course shall be placed where designated on the plans or as directed by the RPR. The material shall be shaped and thoroughly compacted within the tolerances specified.

Granular subbases which, due to grain sizes or shapes, are not sufficiently stable to support the construction equipment without movement, shall be mechanically modified to the depth necessary to provide stability as directed by the RPR. The mechanical modification shall include the addition of a fine-grained medium to bind the particles of the subbase material sufficiently to furnish a bearing strength, so the course will not deform under construction equipment traffic.

**221-3.2 Preparing underlying subgrade and/or subbase.** The underlying subgrade and/or subbase shall be checked and accepted by the Engineer before base course placing and spreading operations begin. Re-proof rolling of the subgrade or proof rolling of the subbase in accordance with P-152, at the Contractor's expense, may be required by the Engineer if the Contractor fails to ensure proper drainage or protect the subgrade and/or subbase. Any ruts or soft, yielding areas due to improper drainage conditions, hauling, or any other cause, shall be corrected before the base course is placed. To ensure proper drainage, the spreading of the base shall begin along the centerline of the pavement on a crowned section or on the high side of the pavement with a one-way slope.

**221-3.3 Mixing, Stockpiling and Haul.** The asphalt pavement, aggregate base and/or subgrade shall be recycled (pulverized and mixed) in a uniformly blended mixture by dry unit weight to the depth indicated on the plans. All material over approximately 2 inches shall be removed by the Contractor. The mixture shall be brought to the desired moisture content. The recycled AC/AB material shall be uniformly mixed and blended prior to stockpiling or placement. The placing methods shall not cause segregation and shall be approved by the engineer.

All hauling will be considered a necessary and incidental part of the work. The Contractor shall include the cost in the contract unit price for the pay of items of work involved. No payment will be made separately or directly for hauling on any part of the work.

**221-3.4 Control Strip.** The first half-day of base construction shall be considered as a control strip for the Contractor to demonstrate, in the presence of the RPR, that the materials, equipment, and construction processes meet the requirements of this specification. The sequence and manner of rolling necessary to obtain specified density requirements shall be determined. The maximum compacted thickness may be increased to a maximum of 8 inches upon the Contractor's demonstration that approved equipment and operations will uniformly compact the lift to the specified density. The RPR must witness this demonstration and approve the lift thickness prior to full production.

Control strips that do not meet specification requirements shall be reworked, re-compacted, or removed and replaced at the Contractor's expense. Full operations shall not begin until the control strip has been accepted by the RPR. The Contractor shall use the same equipment, materials, and construction methods for the remainder of construction, unless adjustments made by the Contractor are approved in advance by the RPR.

**221-3.4 Placing Materials.** The blended base material shall be placed on the prepared underlying subgrade and/or subbase and compacted in layers to the thickness shown on the plans. Work shall progress without interruption. The material shall be deposited and spread in lanes in a uniform layer without segregation to such loose depth that, when compacted, the layer shall have the specified thickness. The blended base course shall be constructed in layers of uniform thickness established in the control strip, but not less than 2.5 inches nor more than 8 inches of compacted thickness. The material, unless otherwise permitted by the Engineer, shall not be spread more than 2,000 square yards in advance of the rolling. Any necessary sprinkling shall be kept within these limits. Care shall be taken to prevent cutting into the underlying layer during spreading. No material shall be placed in snow or on a soft, muddy, or frozen course. Hauling over the uncompacted base course shall not be permitted.

When more than one layer is required, the construction procedure described herein shall apply similarly to each layer.

**221-3.5 Compaction.** Immediately after completion of the spreading operations, compact each layer of the base course, as specified, with approved compaction equipment. The rolling shall progress gradually from the sides to the center of the lane under construction, or from one side toward previously placed material by lapping uniformly each preceding pass. Rolling shall continue until the entire area of the course has been rolled and the stone is thoroughly set; the interstices of the material are reduced to a minimum; and until creeping of the stone ahead of the roller is no longer visible. Blading and rolling shall be done alternately, as required or directed, to obtain smooth, even, and uniformly compacted material. The number, type, and weight of rollers shall be sufficient to compact the material to the required density within the same day that the base material is placed on the subgrade. The course shall not be rolled when the underlying course is soft or yielding or when the rolling causes undulation in the underlying material.

The watering during rolling shall be in the amount and by equipment necessary to achieve the required compaction without causing excessive moisture. The moisture content of the material during placing operations shall be within  $\pm 2$  percentage points of the optimum moisture content as determined by ASTM 6938.

**221-3.6 Acceptance Sampling and Testing.** Recycled asphalt millings base course shall be accepted for density on a lot basis. A lot will consist of one day's production if it does not exceed 2,400 square yards. A lot will consist of one-half day's production if a day's production consists of between 2,400 and 4,800 square yards. The Contractor's laboratory shall perform all density tests in the Engineer's presence and provide the test results upon completion daily to the Engineer for acceptance.

Each lot shall be divided into two equal sublots. One test shall be made for each subplot and shall consist of the average of two random locations for density determination. Sampling locations will be determined by the Engineer on a random basis per ASTM D3665.

Each lot will be accepted for density when the field density is at least 95% of the maximum density of laboratory specimens. The specimens shall be compacted and tested per ASTM 1557. The in-place field density shall be determined per ASTM D6938 using Procedure A, the direct transmission method. The machine shall be calibrated in accordance with ASTM D6938. If the specified density is not attained, the entire lot shall be reworked and/or recompacted and two additional random tests made at the Contractor's expense. This procedure shall be followed until the specified density is reached.

**221-3.7 Thickness control.** The thickness of the base course shall be within +0 and -1/2 inch of the specified thickness as determined by depth tests taken by the Contractor in the presence of the Engineer. Tests shall be taken at intervals representing no more than 300 square yards per test. Sampling locations will be determined by the Engineer per ASTM D3665. Thickness determinations may be determined using survey. Survey shall be required before and after placement of blended base material. Survey shall be completed on a 50' grid. Where the thickness is deficient by more than 1/2 inch, the Contractor shall correct such areas at no additional cost by scarifying to a depth of at least 3 inches, adding new material of proper gradation, and the material shall be blended and recompacted to grade. Additional test holes may be required to identify the limits of deficient areas. The Contractor shall replace, at his expense, base material where depth tests have been taken.

**221-3.8 Tolerances.** In those areas upon which a subbase or base course is to be placed, the top of the blended base shall be of such smoothness that, when tested with a 12-foot straightedge applied parallel and at right angles to the centerline, it shall not show any deviation in excess of 1/2 inch, or shall not be more than 0.05 feet from true grade as established by grade hubs. Any deviation in excess of these amounts shall be corrected by loosening, adding, or removing materials; reshaping; and recompacting. The Contractor shall furnish the 12-foot straightedge for use by the Engineer.

**221-3.9 Protection.** Perform construction when the atmospheric temperature is above 35°F (2°C). When the temperature falls below 35°F (2°C), protect all completed areas by approved methods against detrimental effects of freezing. Correct completed areas damaged by freezing, rainfall, or other weather conditions to meet specified requirements. When the aggregates contain frozen materials or when the underlying course is frozen or wet, the construction shall be stopped. Hauling equipment may be routed over completed portions of the base course, provided no damage results. Equipment shall be routed over the full width of the base course to avoid rutting or uneven compaction. The Engineer will stop all hauling over completed or partially completed base course when, in the Engineer’s opinion, such hauling is causing damage. Any damage to the base course shall be repaired by the Contractor at the Contractor’s expense.

**221-3.10 Maintenance.** The Contractor shall maintain the base course in a satisfactory condition until the full pavement section is completed and accepted by the Engineer. The surface shall be kept clean and free from foreign material and properly drained at all times. Maintenance shall include immediate repairs to any defects and shall be repeated as often as necessary to keep the area intact. Any area of base course that is damaged shall be reworked or replaced as necessary to comply with this specification.

The Contractor shall remove all survey and grade hubs from the base courses prior to placing any bituminous surface course.

### METHOD OF MEASUREMENT

**221-4.1 Recycled Asphalt Millings Base Course.** The quantity of recycled asphalt millings base course to be paid for will be the number of cubic yards installed and accepted.

### BASIS OF PAYMENT

**221-5.1 Recycled Asphalt Millings Base Course.** Payment will be made at the contract unit price per cubic yard. This price shall be full compensation for furnishing all materials, labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item P-221.1                      Recycled Asphalt Millings Base Course - per cubic yard

### TESTING REQUIREMENTS

ASTM C29	Standard Test Method for Bulk Density (“Unit Weight”) and Voids in Aggregate
ASTM C88	Standard Test Method for Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate
ASTM C117	Standard Test Method for Materials Finer than 75-µm (No. 200) Sieve in Mineral Aggregates by Washing
ASTM C131	Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine
ASTM C136	Standard Test Method for Sieve or Screen Analysis of Fine and Coarse Aggregates
ASTM D75	Standard Practice for Sampling Aggregates
ASTM D 693	Crushed Stone, Crushed Slag, and Crushed Gravel for Dry-or Water-Bound Macadam Base Courses and Bituminous Macadam Base and Surface Pavements

ASTM D698	Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Standard Effort (12,400 ft-lbf/ft <sup>3</sup> (600 kN-m/m <sup>3</sup> ))
ASTM D1556	Standard Test Method for Density and Unit Weight of Soil in Place by the Sand-Cone Method
	ASTM D1557 Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort (56,000 ft-lbf/ft <sup>3</sup> (2700 kN-m/m <sup>3</sup> ))
ASTM D2167	Standard Test Method for Density and Unit Weight of Soil in Place by the Rubber Balloon Method
ASTM D2419	Standard Test Method for Sand Equivalent Value of Soils and Fine Aggregate
ASTM D3665	Standard Practice for Random Sampling of Construction Materials
ASTM D 4318	Liquid Limit, Plastic Limit, and Plasticity Index of Soils
ASTM D6938	Standard Test Method for In-Place Density and Water Content of Soil and Soil-Aggregate by Nuclear Methods (Shallow Depth)

**END OF ITEM P-221**

SUMMARY OF QUANTITIES			
SPEC.	ITEM	UNIT	QUANTITY
<b>AGS TAXIWAY F RECONSTRUCTION - BASE BID</b>			
C-100.1	Contractor Quality Control Program	LS	1
C-102.1a	Installation, Maintenance, and Removal of Silt Fence Type A	LF	2060
C-102.1b	Installation, Maintenance, and Removal of Silt Fence Type C	LF	3300
C-102.1c	Construct, Maintain, and Remove Inlet Sediment Trap - Filter Fabric	EA	1
C-102.1e	Construct and Remove Temporary Sediment Trap - Rock Outlet	EA	1
C-102.1f	Construct and Remove Rock Filter Dams	EA	1
C-102.1i	Construct, Maintain, and Remove Construction Exit	EA	1
C-102.1j	Rip Rap, Type 3, 18" Depth	SY	62
C-102.1k	Water Quality Monitoring and Sampling	EA	2
C-102.1l	Water Quality Inspections	EA	9
C-102.1m	Erosion Control Mobilization	LS	1
C-102.1n	Emergency Erosion Control Mobilization	LS	1
C-105.1	Mobilization, Cleanup, and Demobilization	LS	1
C-105.2	Airfield Safety and Traffic Control	LS	1
P-101.1	Asphaltic Concrete Pavement Removal, Full Depth, Off Site	SY	19590
P-101.2	Asphaltic Concrete Pavement Removal, Full Depth Shoulder, Off Site	SY	6110
P-101.3	PCC Concrete Pavement Removal, Full Depth, Off Site	SY	2170
P-101.4	Miscellaneous Pavement Removal, Full Depth, Off Site	SY	200
P-152.1	Unclassified Excavation	CY	2900
P-152.2	Unsuitable/Over Excavation	CY	10000
P-152.3	Embankment in place obtained on-site	CY	4000
P-152.4	Embankment in place obtained off-site	CY	1000
P-152.5	Subgrade Preparation	SY	28440
D-705.1	6-Inch Perforated Polyethylene Underdrain Pipe, Schedule 40, Complete	LF	3980
D-705.2	6-Inch Solid Polyethylene Underdrain Pipe, Schedule 40, Complete	LF	100
D-705.3	Underdrain Clean-out Type I	EA	12
D-705.4	Underdrain Clean-out Type II	EA	1
D-705.5	Underdrain Clean-out Type III	EA	1
T-901.1	Temporary Seeding	AC	2
T-901.2	Permanent Seeding	AC	2
T-901.3	Seeding, Staging Area	AC	5
T-904.1	Sodding	SY	2270
T-905.1	Topsolling (Obtain on Site)	CY	1340
T-905.2	Topsolling, Staging Area	CY	2470
T-908.1	Mulching	SY	53840
L-108.1	No. 8 AWG, 5kV, L-824 Type C Cable	LF	6100
L-108.2	No. 6 AWG Counterpoise, Including Grounding Rods, Installed	LF	5220
L-108.3	Temporary #8 AWG, 5kV Jumper Cable	LF	210
L-110.1	Concrete Encased Type II Electrical Duct Bank, 8-Way 2-inch C	LF	130
L-110.2	Flowable Fill Encased, Electrical Conduit, 1-Way 2-inch C	LF	4630
L-110.3	Non-Encased, Electrical Conduit, 1-Way 2-inch C	LF	590
L-110.4	Demo Concrete Encased Electrical Duct Bank	LF	130
L-115.1	Salvage & Reinstall Precast Electrical Manhole	EA	2
L-125.1	Salvage Taxiway Edge Light & Remove Base Can	EA	46
L-125.2	Remove PCC Sign Foundation	EA	1
L-125.3	L-861 Taxiway Edge Light Base Can w/ Salvaged Light	EA	29
L-125.4	L-861 Taxiway Edge Light Base Can w/ Drainage w/ Salvaged Light	EA	13
L-125.7	Salvage (E) Guidance Sign & Remove PCC Foundation	EA	2
L-125.8	Install Salvaged Guidance Sign on New PCC Foundation	EA	2
L-125.9	Taxiway Guidance Sign, 2 Module, Size 2, Style 3, Mode 2 on New PCC Foundation	EA	1
L-125.10	Remove Existing Conduit & Cable	LF	4770

SUMMARY OF QUANTITIES			
SPEC.	ITEM	UNIT	QUANTITY
<b>AGS TAXIWAY F RECONSTRUCTION - BID OPTION 1A CONCRETE TAXIWAY</b>			
P-209.1	Crushed Aggregate Base Course	CY	4390
P-304.1	Cement Treated Base Course (6")	SY	17060
P-501.2	Portland Cement Concrete Pavement (13")	SY	15460
X-501.1	Portland Cement Concrete Curing Facility	LS	1
P-605.1	Joint Sealing Filler	LF	29950
P-620.1	Surface Preparation (Marking Removal)	SF	2630
P-620.2	Permanent Pavement Markings	SF	19230
P-620.3	Reflective Media	LBS	730
P-620.4	Temporary Pavement Markings	SF	19230
P-620.5	Thermoplastic Preformed Surface Sign	EA	4

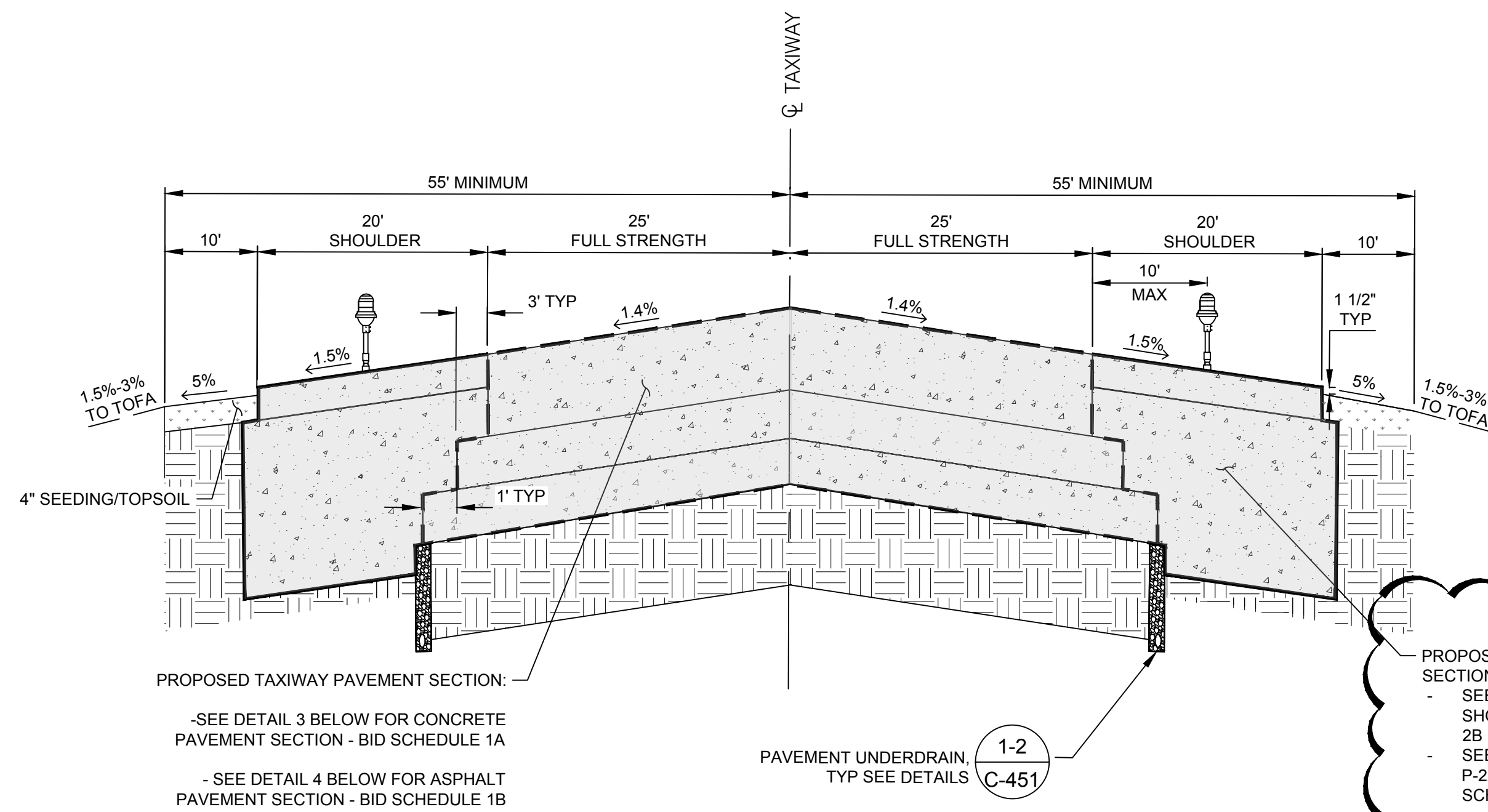
SUMMARY OF QUANTITIES			
SPEC.	ITEM	UNIT	QUANTITY
<b>AGS TAXIWAY F RECONSTRUCTION - BID OPTION 1B ASPHALT TAXIWAY</b>			
P-209.1	Crushed Aggregate Base Course	CY	10970
P-401.1	Asphalt Surface Course	TON	3480
P-403.1	Asphalt Pavement Base/Surface Course	TON	4800
P-602.1	Emulsified Asphalt Prime Coat	Gal	1550
P-603.1	Emulsified Asphalt Tack Coat	Gal	770
P-620.1	Surface Preparation (Marking Removal)	SF	2630
P-620.2	Permanent Pavement Markings	SF	8450
P-620.3	Reflective Media	LBS	730
P-620.4	Temporary Pavement Markings	SF	8450
P-620.5	Thermoplastic Preformed Surface Sign	EA	4

SUMMARY OF QUANTITIES			
SPEC.	ITEM	UNIT	QUANTITY
<b>AGS TAXIWAY F RECONSTRUCTION - BID OPTION 2A ASPHALT SHOULDERS</b>			
P-221.1	Recycled Asphalt Millings Base Course	CY	7250
P-403.1	Asphalt Pavement Base/Surface Course	TON	2390
P-602.1	Emulsified Asphalt Prime Coat	Gal	1060
P-603.1	Emulsified Asphalt Tack Coat	Gal	530

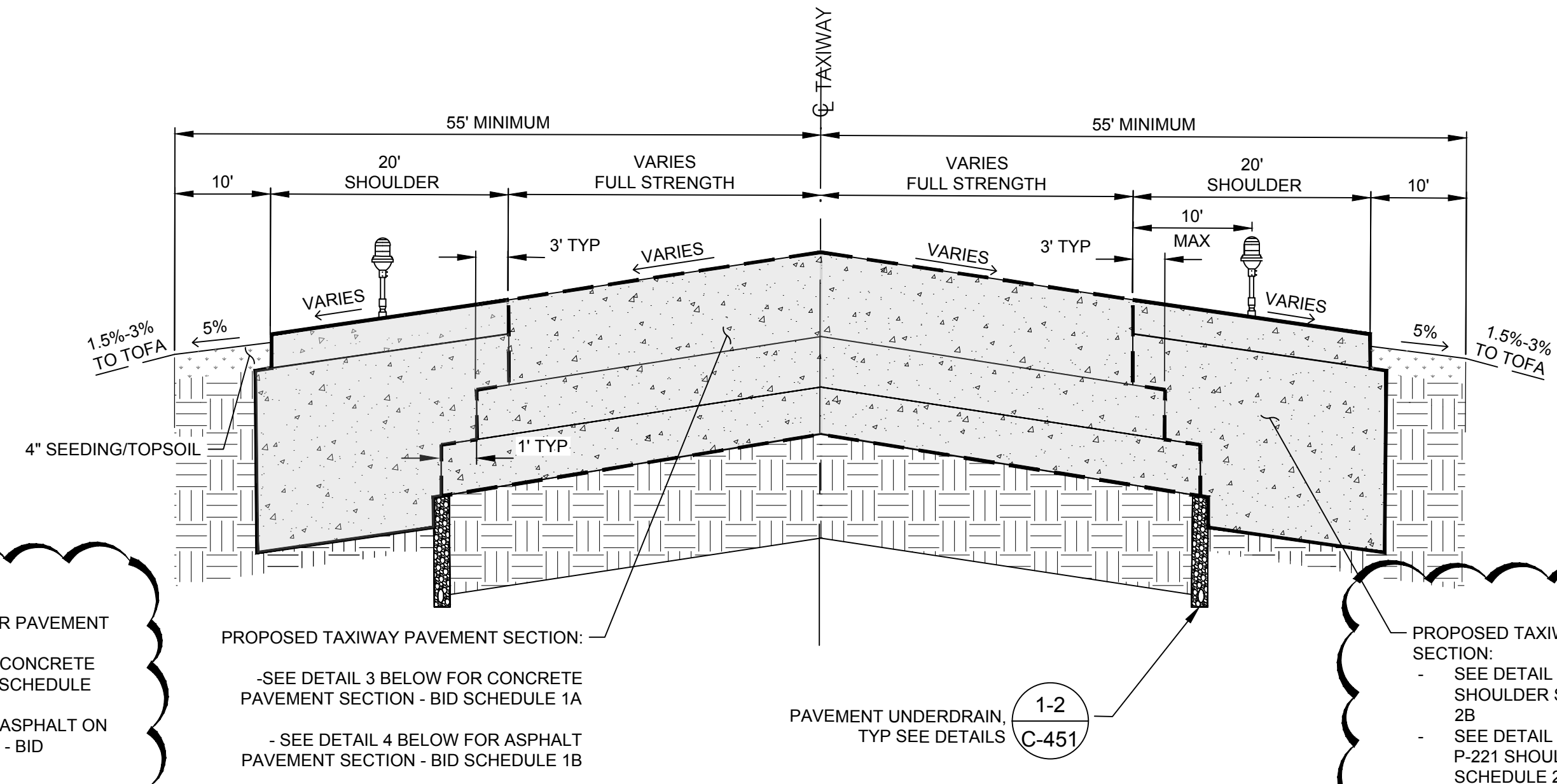
SUMMARY OF QUANTITIES			
SPEC.	ITEM	UNIT	QUANTITY
<b>AGS TAXIWAY F RECONSTRUCTION - BID OPTION 2B CONCRETE SHOULDER</b>			
P-209.1	Crushed Aggregate Base Course	CY	1810
P-501.1	Portland Cement Concrete Pavement (12")	SY	10620
P-605.1	Joint Sealing Filler	LF	8970

NOTE: SUMMARY OF QUANTITIES TABLE IS DESIGNED TO BE USED AS REFERENCE IN THE FIELD. VALUES OUTLINED IN THE BID FORM TAKE PRECEDENT OVER ANY VALUES SHOWN IN THE QUANTITY TABLE.





**TYPICAL TAXIWAY PAVING SECTION**  
SCALE: NTS  
**1**  
C-301

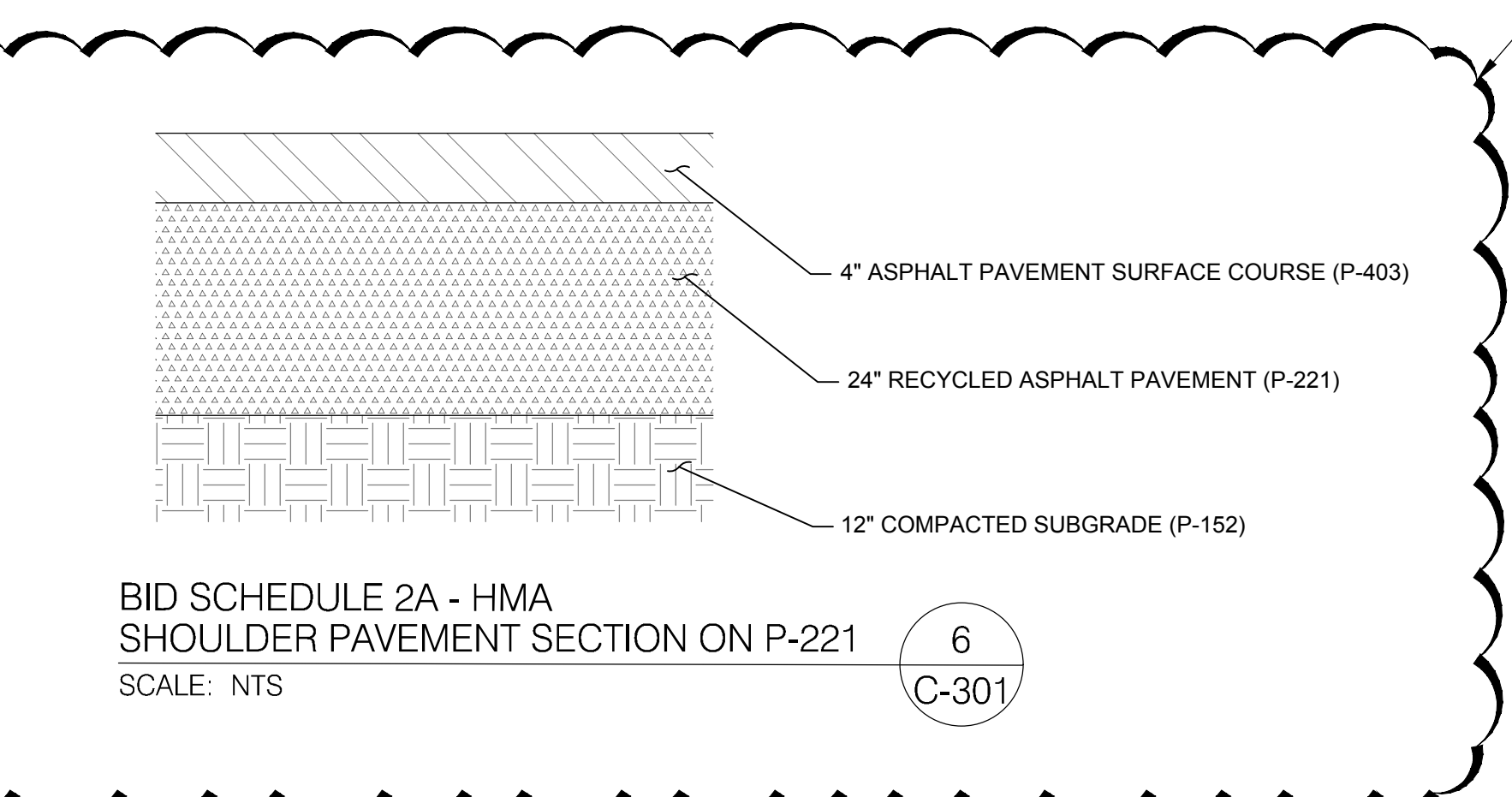
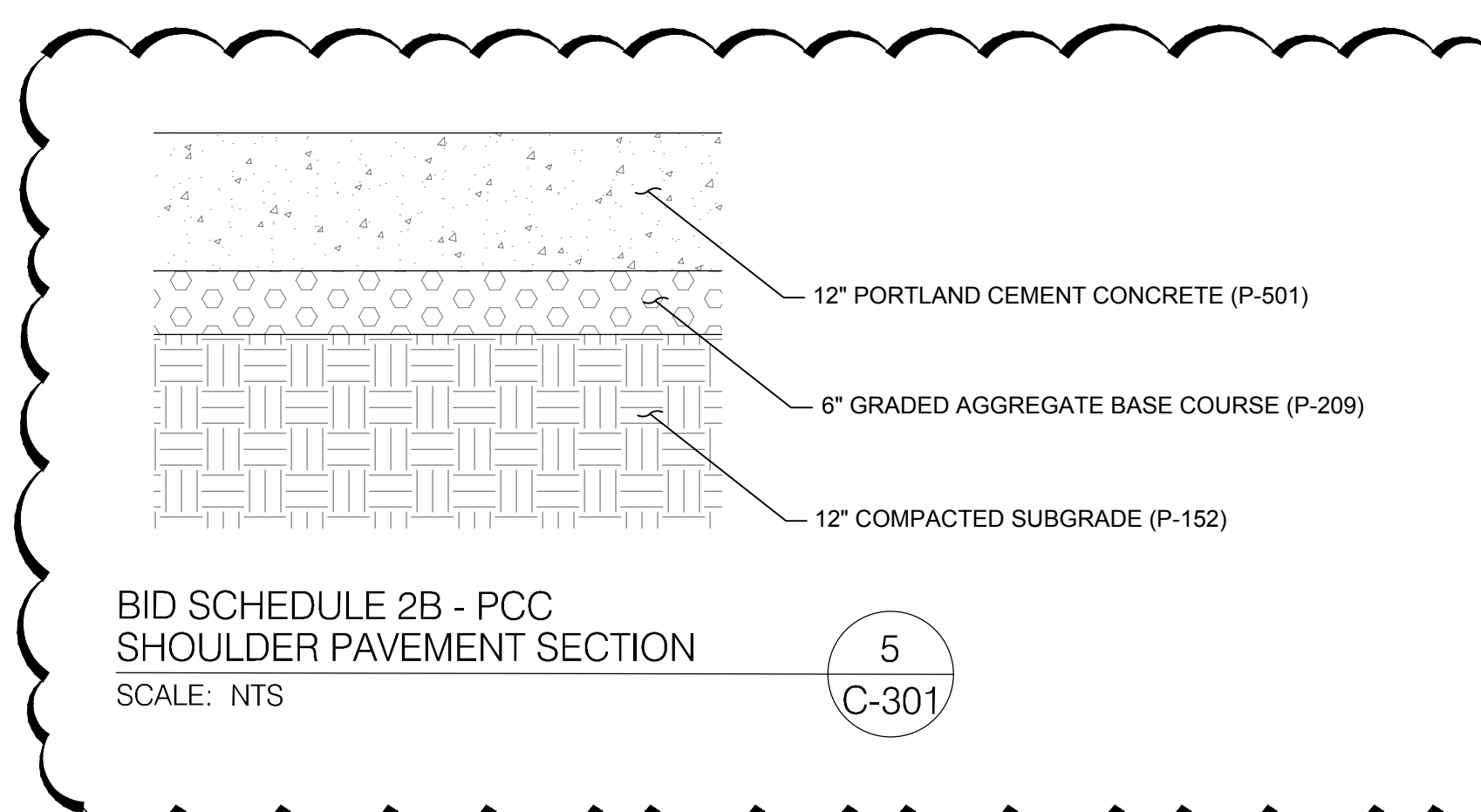
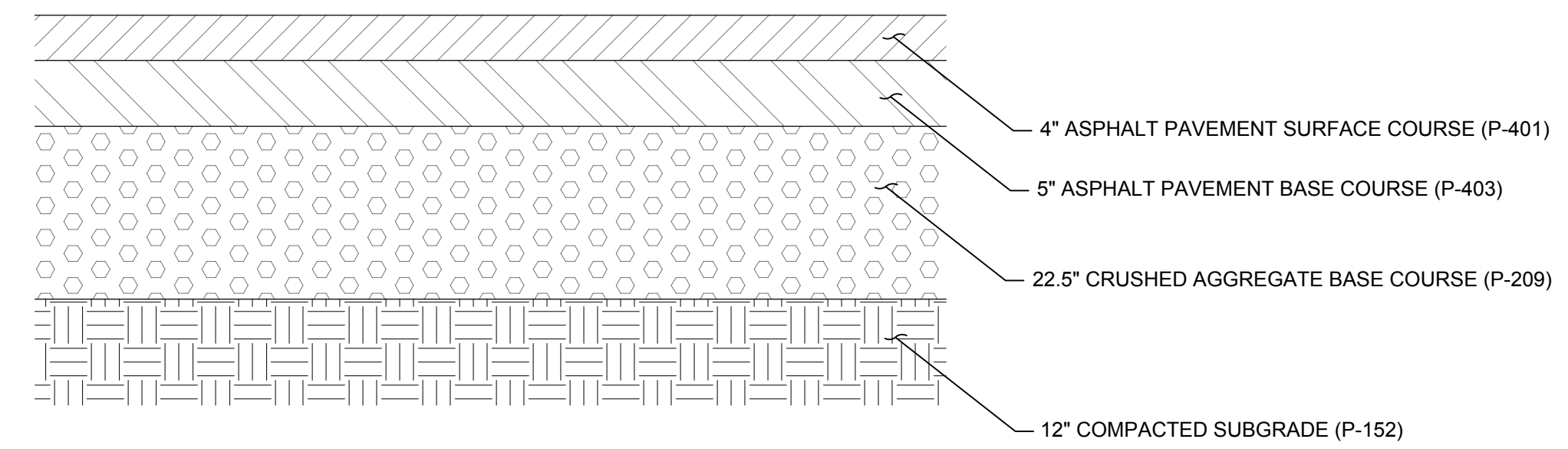
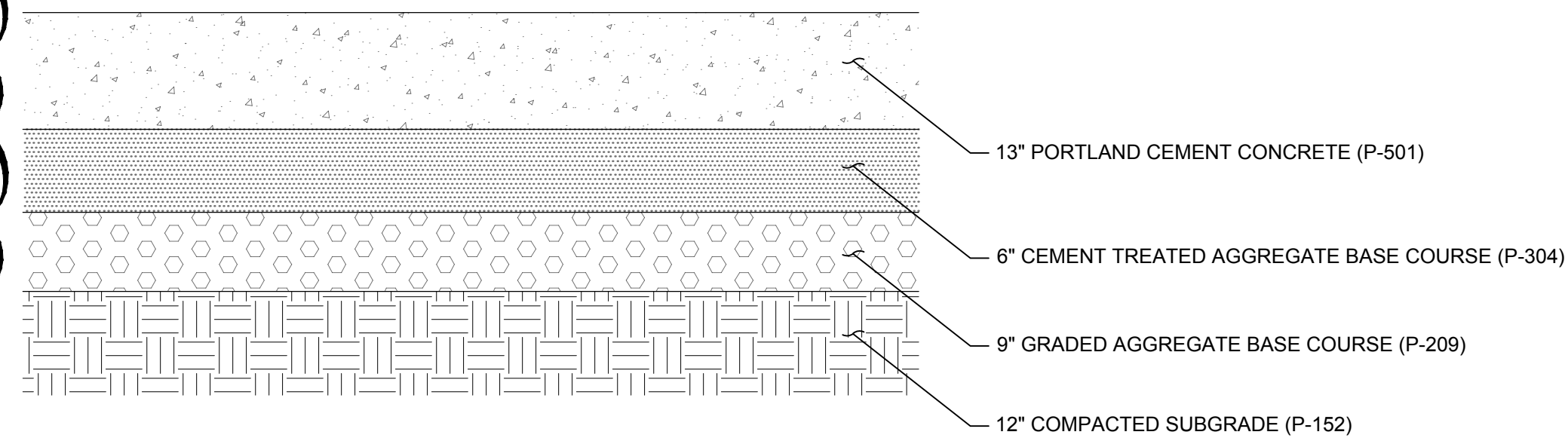


**TYPICAL TAXIWAY VARIABLE WIDTH PAVING SECTION**  
SCALE: NTS  
**2**  
C-301

**PROPOSED TAXIWAY SHOULDER PAVEMENT SECTION:**  
- SEE DETAIL 5 BELOW FOR CONCRETE SHOULDER SECTION - BID SCHEDULE 2B  
- SEE DETAIL 6 BELOW FOR ASPHALT ON P-221 SHOULDER SECTION - BID SCHEDULE 2A

**PROPOSED TAXIWAY SHOULDER PAVEMENT SECTION:**  
- SEE DETAIL 5 BELOW FOR CONCRETE SHOULDER SECTION - BID SCHEDULE 2B  
- SEE DETAIL 6 BELOW FOR ASPHALT ON P-221 SHOULDER SECTION - BID SCHEDULE 2A

- NOTES:**
1. THE BASE BID CONSISTS OF ALL WORK NOT ASSOCIATED WITH THE PAVING OF THE TAXIWAY OR SHOULDERS.
  2. THERE ARE TWO PAVING OPTIONS FOR THE NEW TAXIWAY. BID SCHEDULE 1A IS A CONCRETE TAXIWAY OPTION AND BID SCHEDULE 1B IS AN ASPHALT TAXIWAY OPTION. THE AIRPORT SHALL AWARD ONE OF THESE TWO BID SCHEDULES.
  3. THERE ARE TWO PAVING OPTIONS FOR THE NEW TAXIWAY SHOULDERS. BID SCHEDULE 2B IS FOR CONCRETE SHOULDERS, BID SCHEDULE 2A IS FOR ASPHALT SHOULDERS ON TOP OF P-221. THE AIRPORT SHALL AWARD ONE OF THESE TWO BID SCHEDULES.
  4. SEE SHEET C-302 FOR PROPOSED ADDITIVE ALTERNATIVE APRON PAVEMENT SECTIONS AND DETAILS (BID SCHEDULES 3A AND 3B).



**AUGUSTA REGIONAL AIRPORT  
TAXIWAY F RECONSTRUCTION**

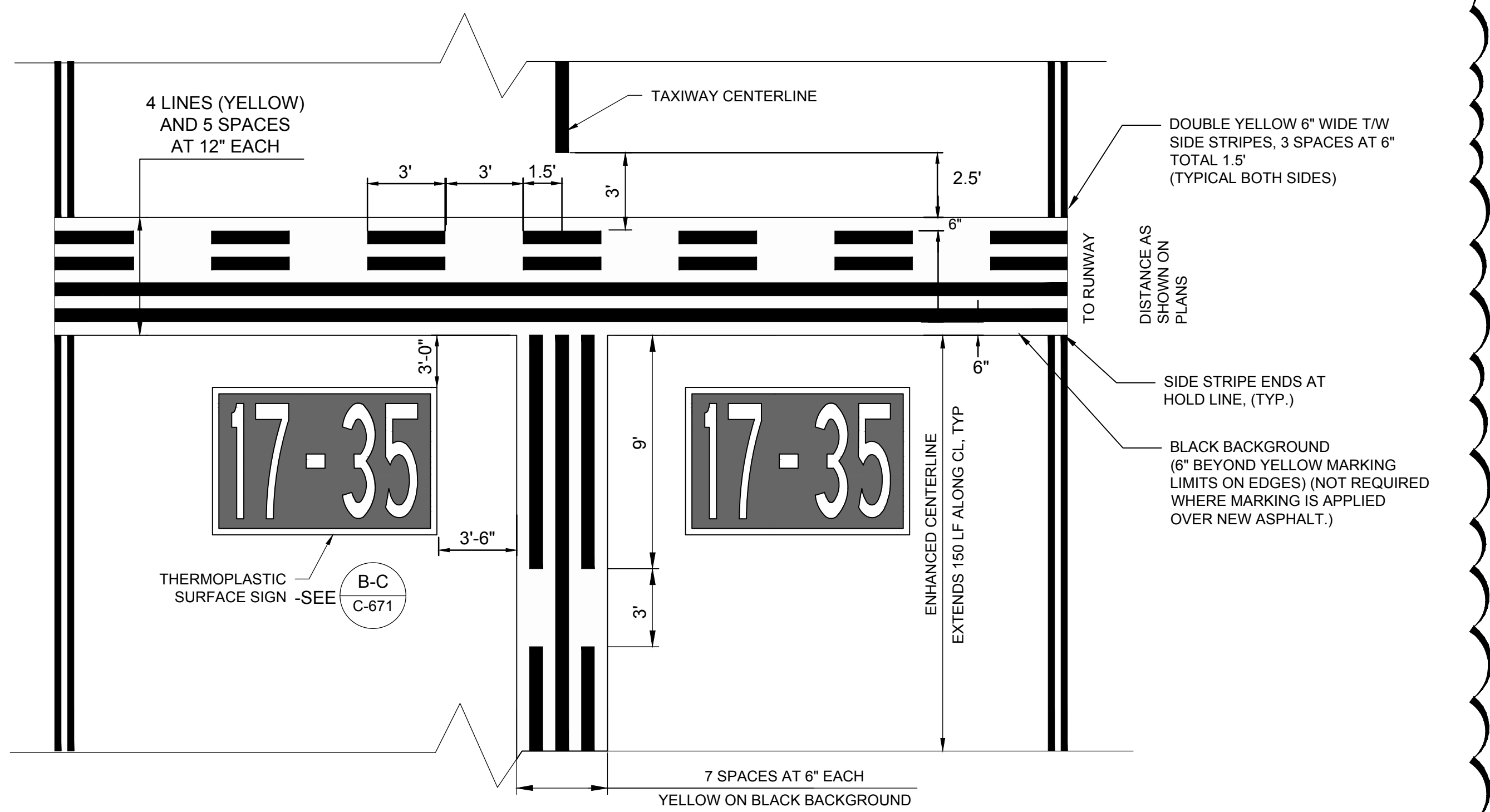
1501 AVIATION WAY  
AUGUSTA, GA 30906-9620

ISSUED FOR BID  
REV. 1: ADDENDUM #1 5.24.24

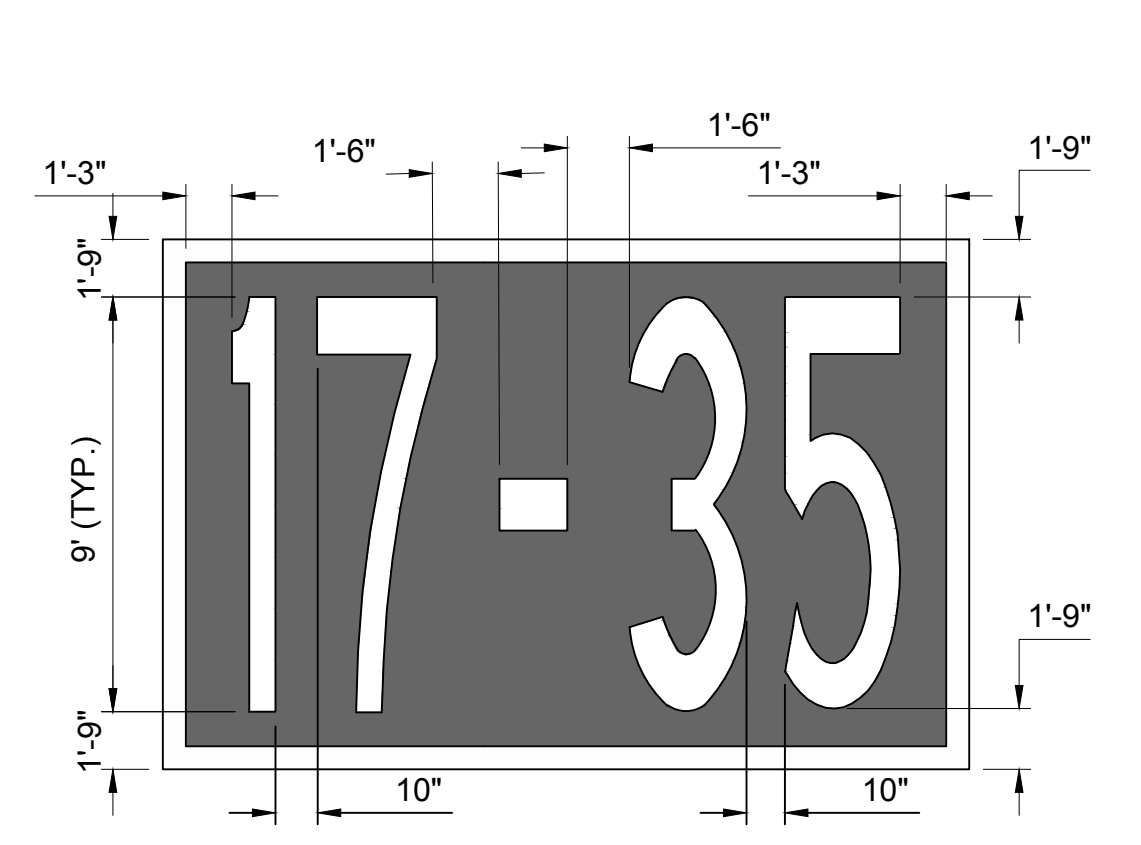
NOT FOR CONSTRUCTION

A/P NO: 3-13-0011-055-2023  
M&H NO: 0119700-221767.01  
DATE: MAY 23, 2024  
DESIGNED BY: NJH  
DRAWN BY: BT  
CHECKED BY: EJS  
DO NOT SCALE DRAWINGS

SHEET CONTENTS  
TYPICAL SECTIONS



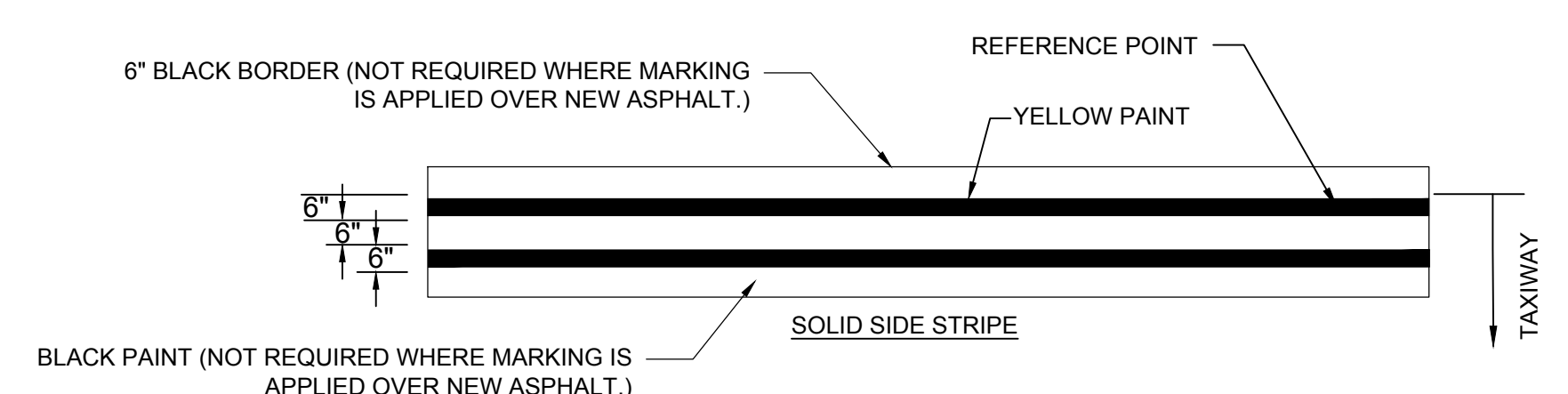
**1** ENHANCED TWY CENTERLINE MARKING AND HOLD LINE  
NOT DRAWN TO SCALE



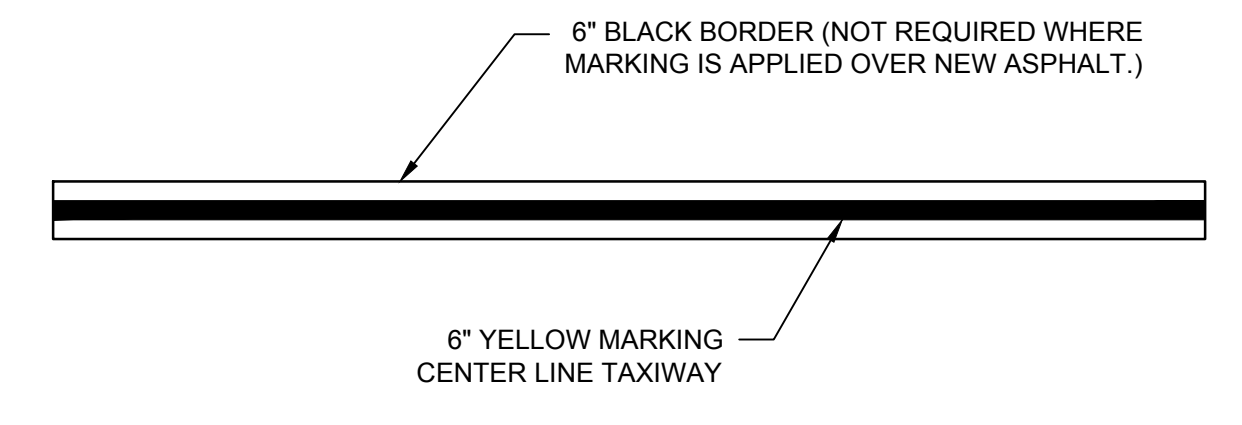
**2** THERMOPLASTIC 17-35 HOLDING POSITION SIGNS  
NOT DRAWN TO SCALE



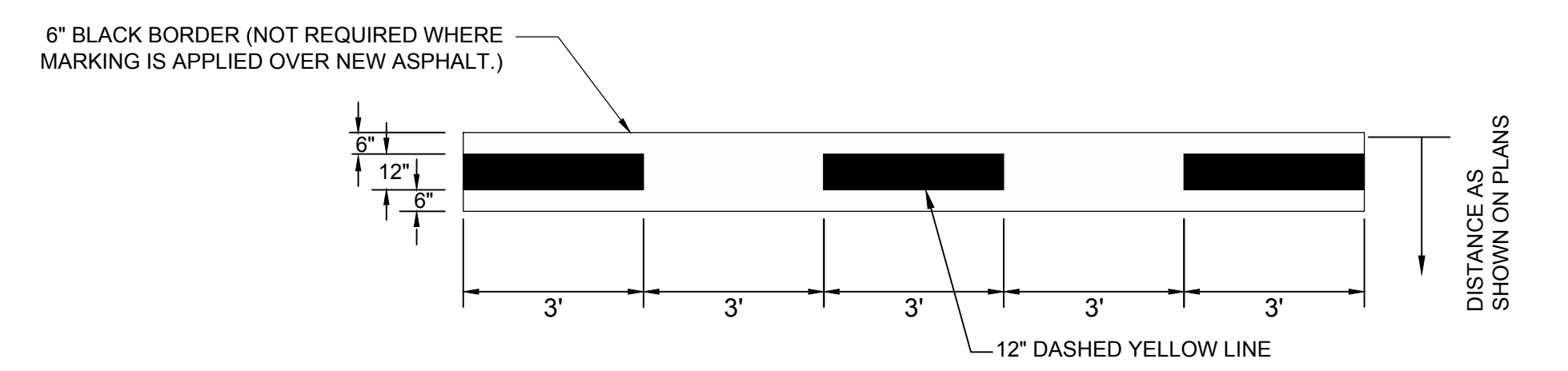
**3** THERMOPLASTIC 8-26 HOLDING POSITION SIGNS  
NOT DRAWN TO SCALE



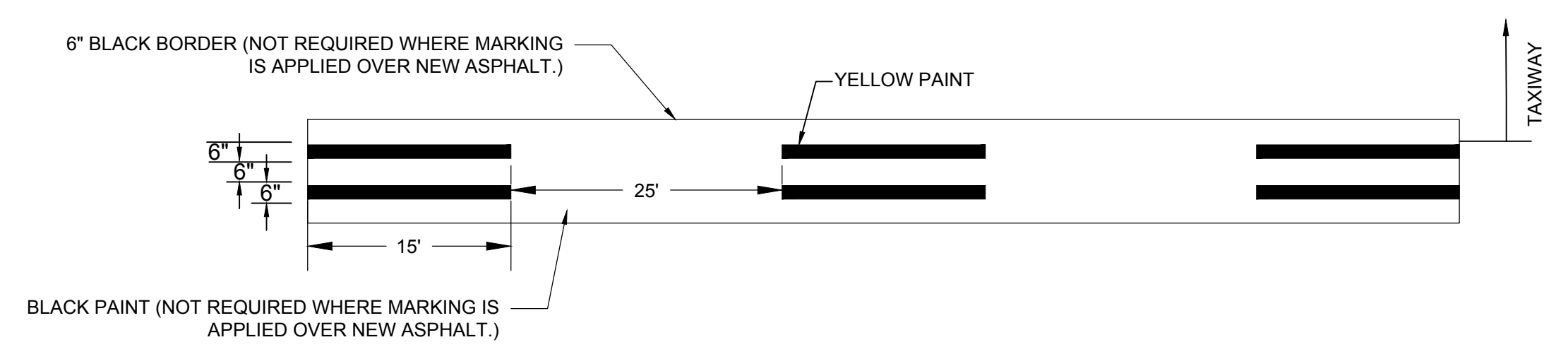
**4** TAXIWAY EDGE MARKING  
NOT DRAWN TO SCALE



**5** TAXIWAY CENTERLINE AND LEAD-IN MARKING  
NOT DRAWN TO SCALE



**6** NON-MOVEMENT AREA MARKING  
NOT DRAWN TO SCALE



**7** TAXIWAY DASHED EDGE MARKING  
NOT DRAWN TO SCALE

**AUGUSTA REGIONAL AIRPORT  
TAXIWAY F RECONSTRUCTION**

1501 AVIATION WAY  
AUGUSTA, GA 30906-9620

ISSUED  
ISSUED FOR BID  
REV. 1: ADDENDUM #1 5.24.24

NOT FOR CONSTRUCTION

AIP NO: 3-13-0011-055-2023  
M&H NO: 0119700-221767.01  
DATE: MAY 23, 2024  
DESIGNED BY: NJH  
DRAWN BY: BT  
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SHEET CONTENTS  
MARKING DETAILS

**C-671**