

Addendum #01 for RFB #949800-01

Project Name: DAS TH Parking Lot Retaining Wall Repairs

DAS RFB #: 949800-01

DAS Project: 9498.00

Date: July 22, 2026

Addendum #01:

This addendum is issued to modify, clarify, or amend the original Project Drawings and Specifications and is hereby made part of the Contract Documents. The Contractor shall be responsible for incorporating items in this Addendum to the Work. The following shall take precedence over anything to the contrary in the Drawings or Specifications. **This addendum shall also supersede any previous addenda.**

The receipt of this Addendum shall be acknowledged by inserting its number and date in the space provided on the Bid Form.

This Addendum consists of:

General Items:

1. Addendum Pages / Questions and Answers (2 Page)
2. Meeting minutes from Prebid held on July 16, 2026 (5 pages)
3. Prebid Meeting Attendance List (1 Page)
4. Drawing Sheets – G000, A201 (2 Pages)
5. Revised 00 3113 – Preliminary Schedule (3 Pages)
6. Revised 01 1200 – Contract Summary (3 Pages)
7. Revised 32 1313 – Concrete Paving (4 Pages)

Changes to Drawings

1. G000
 - a. ADD signed stamp as bubbled and indicated.
2. A201
 - a. ADD dowel and associate note to detail as bubbled and indicated.

Changes to Specifications

1. 00 3113 – Preliminary Schedule
 - a. Section 1.03
 - i. **Revised** line C to read: Substantial Completion by – November 16, 2026
 - ii. Updated Project Schedule
2. 01 1200 – Contract Summary
 - a. Section 1.03
 - i. **Revised** line B to read: Target date to provide substantial completion is November 16, 2026.
 - b. Section 1.09, A.
 - i. **ADD** line 11 to read: This contractor shall be responsible for new sod. This shall include fertilizing, mulching, watering, and maintenance per specifications.

- ii. **ADD** line 12 to read: Contractor shall provide temporary water needed to perform one's work. This Contractor shall include in their bid the cost for the installation of a temporary water meter or water truck to haul in water. The cost for water to also be included in this bid.
- iii. **ADD** line 13 to read: Sod materials and installation shall meet SUDAS specifications. Contractor is responsible for watering the sod for the first 4 weeks post-sold placement. Owner will assume responsibility for watering after 4 weeks. The 4-week time doesn't start until all sod has been laid.

3. 32 1313 Concrete Paving

- a. **Delete** the Prosoco, Saltguard WP in section 2.04, E.

Questions and Answers:

Q1. Does the footing/wall require over excavation?

A1. Based on the geotechnical report, we should be into undisturbed soil for the footings. No over excavation is scheduled for the project under the footings. Testing during construction will confirm with the geotechnical engineer to evaluate requirements to reach the capacity of the existing soil.

Q2. If needed, can the city provide additional bricks for the road, or can a manufacturer/supplier/product be listed if additional bricks are needed?

A2. Contractor will be responsible for matching the existing brick. Gavin Historical Bricks of Iowa City, Iowa have provided reclaimed street brick for other projects in Iowa, we have not confirmed stock as this is salvaged brick.

RFB Pre-Bid Minutes: Meeting #1

Meeting Date	Jul 16, 2026	Meeting Time	01:00 pm - 02:00 pm Central Time (US & Canada)
Meeting Location	2300 grand avenue des moines, iowa 50312	Video Conferencing Link	Join Meeting
Overview	Meeting to allow prospective bidders to visit the site, when possible, and learn more about the project.		
Notes			
Attachments	Prebid Sign in.pdf , 9498.00 Schedule 7.10.2026.pdf		

Scheduled Attendees

Name	Company	Phone Number	Email	Attendance
Jarrad Boever	DCI Group	P: (515) 244-5043	jarradb@dcigroup-us.com	Present
Anthony Fatino	DCI Group	P: (515) 244-5043	tonyf@dcigroup-us.com	Present
Kurt Fisher	DCI Group	P: (515) 244-5043	kurtf@dcigroup-us.com	Present
Scott Gustafson	DCI Group	P: (515) 244-5043	scottg@dcigroup-us.com	Absent
Michael Steen	DCI Group	P: (515) 244-5043	michaels@dcigroup-us.com	Absent
Scott Allen	OPN Architects	P: (515) 309-0722	sallen@opnarchitects.com	Present
John Rhodes	Raker Rhodes Engineering LLC	P: (515) 277-0275	jrhodes@rakerrhodes.com	Absent
James Trower	State of Iowa - Department of Administrative Services		james.trower@iowa.gov	Present
Molly Franta	Terrace Hill	P: (515) 242-5841	molly.franta@governor.iowa.gov	Present

Introduction

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
1.1	1	Introductions				Open
		Description DAS - James Trower - Owner Rep. Terrace Hill - Molly Franta - Montgomery Lovell DCI Group - Construction Manager - Michael Steen - Vice President - Scott Gustafson - Senior Project Manager				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
		- Kurt Fisher - Senior Superintendent - Jarrad Boever - Project Manager - Tony Fatino - Intern Design Team - Scott Allen - OPN - John Rhodes - Raker Rhodes				

Project Overview

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.1	1	Project Description				Open
		Description 1. Bid Package #01 – Retaining Wall Repairs: Trade Contractor shall include all of the following, but not limited to, as part of the contract: - Includes all project drawings and specifications. - This contractor is responsible for the replacement of the retaining wall located at Terrace Hill as outlined in the contract documents. This includes but is not limited to all demolition, concrete, sealing, painting, asphalt, masonry retaining wall, pavement replacement, striping and site restoration. - All work shall be constructed in accordance with the most recent edition of the Iowa statewide urban design specifications for public improvements (SUDAS). Erosion control measures shall be provided and maintained throughout construction. - This contractor shall be responsible for all traffic control according to MUTCD and city of Des Moines requirements, including obtaining required city permits. Access to adjacent businesses and residential driveways must be maintained throughout construction. Project intent is to maintain access to half of the parking lot for the duration of the project. - This contractor is responsible for temporary sanitary facilities and handwashing station. - This contractor is responsible for providing dumpster services during construction. - Contractor is responsible for city of Des Moines right-of-way permitting that will be required for this project. Contractor shall prepare a traffic control plan according to their proposed means and methods. - Contractor shall be responsible for any road repairs / modifications for where the drive connects to the street. - Contractor shall be responsible for all repairs / modifications to the railings as noted in the contract documents. - Contractor shall be responsible for providing and maintaining site fencing around construction area. Official Documented Meeting Minutes - Contractor will be responsible for watering of sod. This will be added to scope via addendum. - OPN has some minor rebar changes that will come out on next addendum.				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.2	1	Project Schedule				Open
		Description NOI: July 30, 2026				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
		• Submittals: August 6, 2026 • Construction: August 24, 2026 • Closeout: September 25, 2026 A pull-plan session will be held with the successful bid package contractors to finalize the construction schedule. State Holidays: New Year's Day, Martin Luther King Day, Memorial Day, 4th of July, Labor Day, Veterans Day, Thanksgiving and day after Thanksgiving, Christmas Day Official Documented Meeting Minutes • 30 days of sod watering is expected to be added to bid package. This is going to push the substantial completion date back 30 days. Will be addressed via addendum. • Discussed schedule - contractors felt it might be a little tight.				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
2.3	1	Site Rules				Open
		Description • Onsite supervision by Prime Contractor is required at all times when work by that contractor or their subcontractors/suppliers is taking place. • Contractors shall provide daily logs for each day they are on site. • Construction progress meeting will be established once construction starts. • It is of the utmost importance to show respect and courtesy to all staff at all times. • Clean all debris, materials, and bring all finishes back to existing conditions in the area they were working in prior to moving to the next area. • No smoking, vaping or smokeless tobacco use onsite. Site specific rules • The staff of the State of Iowa has a responsibility to protect the public by providing a secure environment. All work site rules must be followed to the letter, at all times. • All State properties are tobacco free. No smoking will be permitted or tolerated on campus unless in designated areas. • You are permitted access only to the work site and no other area of the institution. • Secure all tools at the end of the day. • Maintain control of all tools, supplies, and debris at all times during the work. • View Specification 01 1200 - Contract Summary for more information. Official Documented Meeting Minutes • Reiterated that onsite supervision will be required at all times from prime contractor. • Daily logs need to be sent over daily. ◦ Reports can be sent over via email daily or weekly.				

RFB Overview

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.1	1	Bid Submission				Open
		Description • Bids are due by 3:00 pm, Tuesday, July 28, 2026 • The Bid shall be submitted to the Issuing Officer through the IMPACS Electronic Procurement System.				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
		◦ Link and information is in the project manual ◦ Contractors will need to register prior to bidding ◦ Bidders will need to register regardless of whether it has already done business with the State of Iowa. ◦ Bidders should complete the registration process and ensure the ability to log in as soon as possible to ensure Bids can be submitted on the due date. ◦ Please make sure the electronic documents submitted contain any required signatures. Digital signatures will be accepted. • Bid Opening will be held via conference call on at 3:30 pm on July 28, 2026 • Contractor shall reference section 00 0116 for the bid submittal checklist ◦ Bid Proposal Information ◦ Non Discrimination Clause Information ◦ Contractor Targeted Small Business Enterprise Pre-Bid Contract Information ◦ Bid Security – 5% of total Bid amount • Apparent low bidder will be required to submit subcontractor/supplier list 48hrs after the bid opening				
		Official Documented Meeting Minutes • No questions.				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.2	1	Bid Schedule				Open
		Description • Questions/Substitutions Due in Writing to Construction.Procurement@das.iowa.gov: by 2:00 pm, July 21, 2026 • Addendum Issued: No addendums have been issued yet. • Bids Due: by 3:00 pm, Tuesday, July 28, 2026 • Tentative NOI Issued: July 30, 2026				
		Official Documented Meeting Minutes No questions.				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.3	1	Administrative Details				Open
		Description • Contractors will sign a modified ConsensusDocs 802. Example in the project manual. • Project-specific Certificate of Insurance must be provided prior to contract execution. Follow example in the project manual and limits in the 802. • Project-specific P&P bonds must be provided prior to contract execution. • Successful contractor must turn in their list of subcontractors and suppliers within 48 hours of the bid. • DAS will provide tax exempt certificates upon request. • Procore will be used for all project management, at no cost to the trade contractor. ◦ Submittals, Invoicing, RFIs, ASIs, PRs, RFQs ◦ Contracts, Change Orders and Certificates of Substantial and Final Completion will also use Docusign • Contractor Schedule of Values shall be broken out as specified in the project manual. ◦ SOV must contain a closeout line item for at least 1% of the total contract value. ◦ This line item can only be invoiced once the certificate of final completion has been signed by all parties.				

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
		Official Documented Meeting Minutes No questions.				

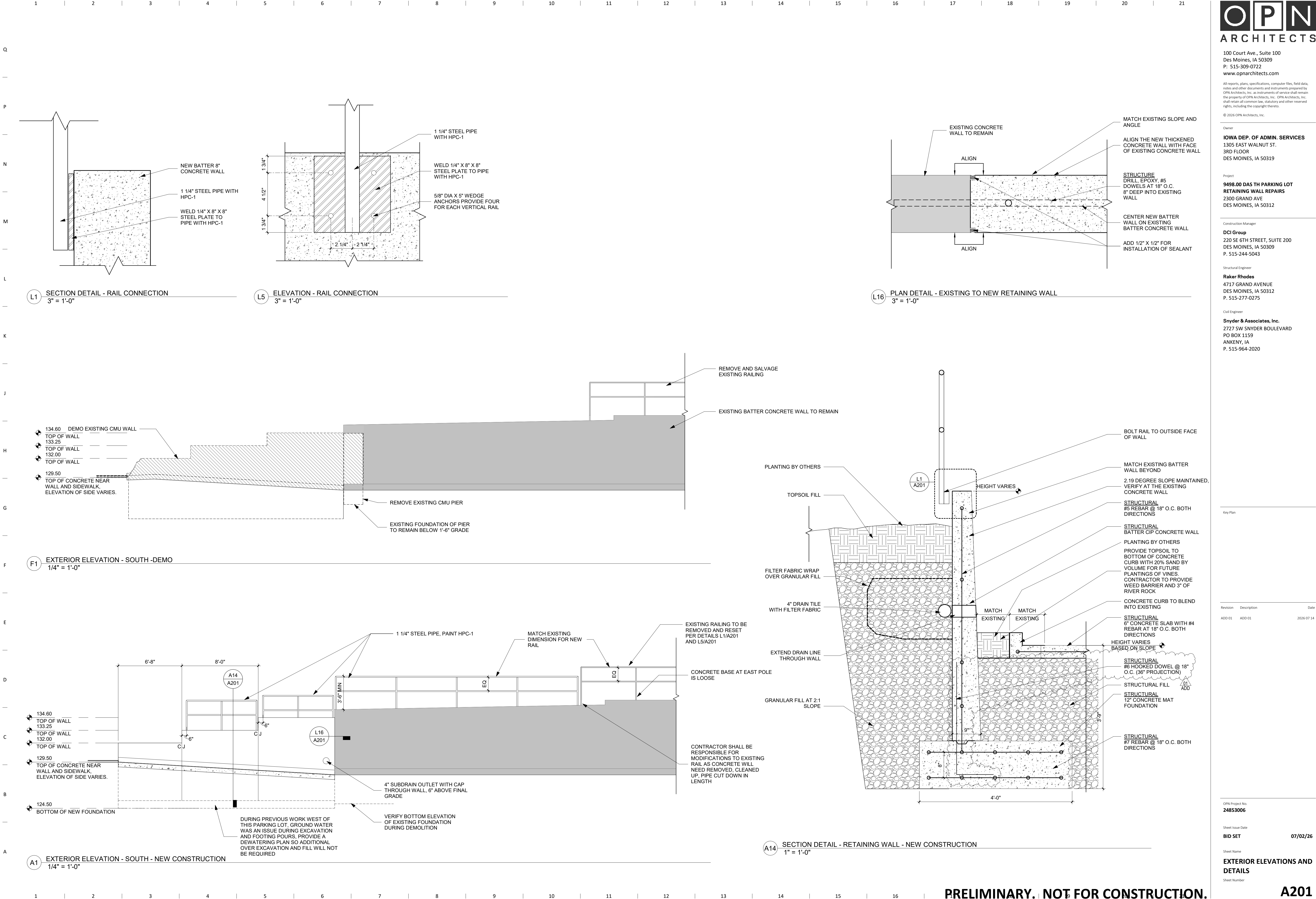
No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
3.4	1	Pre-Bid Site Visits				Open
		Description Contact construction.procurement@das.iowa.gov				
		Official Documented Meeting Minutes Contractors can make a site visit anytime but need to stay of neighbors property.				

Questions

No.	Mtg Origin	Title	Assignment	Due Date	Priority	Status
4.1	1	Questions				Open
		Description Submit all questions in writing to construction.procurement@das.iowa.gov .				
		Official Documented Meeting Minutes No questions.				

These meeting minutes are believed to be an accurate reflection of those items discussed and the conclusions that were reached during the referenced meeting.
 Please contact State of Iowa - Department of Administrative Services if there are any discrepancies or questions with the content of these minutes.

[illegible]



SECTION 00 3113

PRELIMINARY SCHEDULE

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Preliminary Construction Schedule
- B. Schedule Durations

1.02 PRELIMINARY SCHEDULE

- A. A preliminary schedule has been identified by the Owner for the implementation of the Project. Refer to the schedule following this Section for references to anticipated milestones and construction duration.
- B. Each step of the Preliminary Schedule is subject to receipt of acceptable bids, Owner's decision process and date of commencement.
- C. A proposed construction schedule shall be submitted by all Trade Contractors to the Construction Manager no later than 48 hours prior to the pre-construction meeting. A revised Construction Schedule will be submitted by the Construction Manager once all preliminary schedules are reviewed and approved by the Owner.
- D. The final construction schedule will be established post award of bids with the cooperation of all contractors.

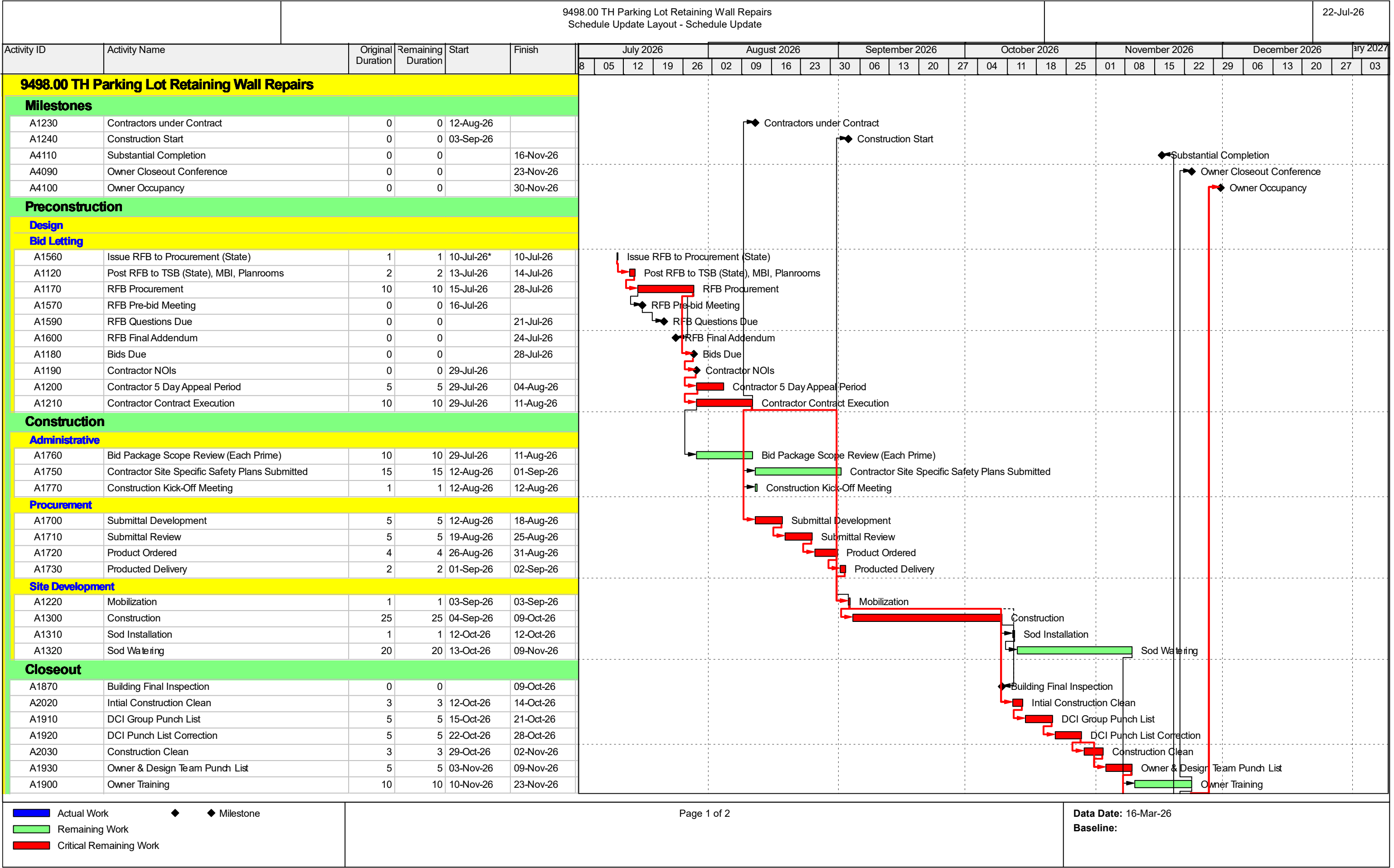
1.03 SCHEDULE DURATIONS

- A. Anticipated Notice of Intent to Award – July 30, 2026
- B. Anticipated Date of Commencement – August 24, 2026
- C. Substantial Completion by – November 16, 2026 (Add. #01)

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION



			9498.00 TH Parking Lot Retaining Wall Repairs Schedule Update Layout - Schedule Update																									22-Jul-26					
Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	July 2026					August 2026				September 2026					October 2026				November 2026				December 2026					January 2027
						01	05	12	19	26	02	09	16	23	30	06	13	20	27	04	11	18	25	01	08	15	22	29	06	13	20	27	03
	A1940	Owner & Design Team Punch List Corrections	10	10	10-Nov-26	23-Nov-26																			Owner & Design Team Punch List Corrections								
	A1880	Construction Contingency (Owner)	5	5	10-Nov-26	16-Nov-26																			Construction Contingency (Owner)								
	A2000	Owner Closeout Conference	0	0		23-Nov-26																			Owner Closeout Conference								
	A2040	Final Clean	3	3	24-Nov-26	30-Nov-26																			Final Clean								
	A1980	Owner Occupancy	0	0		30-Nov-26																			Owner Occupancy								
Actual Work Remaining Work Critical Remaining Work ◆ Milestone			Page 2 of 2																				Data Date: 16-Mar-26 Baseline:										

SECTION 01 1200

CONTRACT SUMMARY

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Project Information
- B. Project Summary
- C. Bid Scope Summary
- D. Work Hour Restrictions
- E. Access to Site
- F. Coordination with Occupants
- G. Rules for Construction Workers
- H. Bid Package Instructions

1.02 PROJECT INFORMATION

- A. Facility Name/Location: Terrace Hill, 2300 Grand Avenue, Des Moines, Iowa 50312
- B. DAS Project #: 9498.00
- C. Owner: State of Iowa, Department of Administrative Services, Hoover State Office Building, Level 3, 1305 East Walnut Street, Des Moines, Iowa 50319
- D. Owner's Representative: James Trower, Iowa Department of Administrative Services, 109 SE 13th Street, Des Moines, Iowa 50319
- E. Construction Manager: Jarrad Boever, DCI Group, 220 SE 6th Street, Des Moines, Iowa 50309

1.03 PROJECT SUMMARY

- A. The project includes Parking Lot Retaining Wall Repairs.
- B. Target date to provide substantial completion is **November 16, 2026. (Revised Add. #01)**

1.04 BID SCOPE SUMMARY

- A. Scope Applicable to All Bid Packages:
 - 1. 01 1201 General Work Requirements
 - 2. 01 1202 Special Work Requirements
 - 3. The Contractor's Work includes all labor, supervision, materials, equipment, services, supplies, tools, facilities, transportation, hoisting, storage, receiving, licenses, inspections, certifications, overhead, profit, or other items required or reasonably inferable to properly and timely perform and complete all work and services to be performed by the Contractor pursuant to this Agreement. Unless specifically stated otherwise, incidental work required to accomplish the work of this Bid Package shall be included the bid. This would include, but not be limited to, temporary facilities, protection of the work, security of equipment, materials, and work in progress, etc. Contractor's Work shall be performed in accordance with the Drawings, Specification Divisions 00 and 01, and Specification sections applicable to each Contractor's scope.
 - 4. Contractor is responsible for all labor and equipment to unload, account for all material delivered, stock, and delivery for this scope of work. Storage and delivery of materials and equipment at the Site shall be permitted only to the extent approved in advance by the Construction Manager, and if anything so stored obstructs the progress of any portion of the work, it shall be promptly removed or relocated by the Contractor without reimbursement.
 - 5. On site supervision by Prime Contractor at all times work by that contractor or their subcontractors/suppliers is taking place.

6. Provide all temporary facilities required for this scope of work including trailer, trailer power, telephone, secured storage, temporary power for work, temporary and task lighting for work, etc. as determined necessary by Contractor. Coordinate location of trailers, material storage and utility lines with Construction Manager. Limited space is available, and permission to bring any such facility or excess materials on to the site shall be approved by the Construction Manager.
7. Contractor shall provide all equipment and tools for Contractor's own cleanup. Clean up shall be done at end of every shift or more frequently if required for the Contractor to perform their work, for other Contractors to perform their work, as required by the Owner's operations, and at the discretion of the Construction Manager.
8. All turf, landscaping, and subgrade disturbances caused by equipment traffic or other activities related to the Contractor's scope shall be repaired or restored to proper conditions by the Contractor.
9. Protect adjacent existing building elements from damage from Scope of work. Repair existing building elements damaged during Contractor's Scope of work.

1.05 WORK HOUR RESTRICTIONS

- A. Work hours are from 7:00 AM to 5:00 PM, Monday through Friday unless arrangements are made in advance.

1.06 CONTRACTOR USE OF SITE AND PREMISES

- A. Construction Operations: Limited to areas noted on Drawings.
- B. Provide access to and from site as required by law and Owner:
 1. Emergency Building Exits During Construction: Keep all exits required by code open during construction period; provide temporary exit signs if exit routes are temporarily altered.
 2. Do not obstruct roadways, sidewalks, or other public ways without permission of Owner and permit if required.
- C. Facility will be occupied at all times during duration of work. Contractor personnel shall conduct themselves in an agreeable manner at all times. Failure to do so may result in removal from the work site.

1.07 OWNER OCCUPANCY

- A. Owner intends to occupy the Project upon Substantial Completion.
- B. Cooperate with Owner to minimize conflict and to facilitate Owner's operations.
- C. Schedule the Work to accommodate Owner occupancy.

1.08 RULES FOR CONSTRUCTION WORKERS

- A. The staff of the State of Iowa has a responsibility to protect the public by providing a secure environment. All work site rules must be followed to the letter, at all times.
- B. All State properties are tobacco free. No smoking will be permitted or tolerated on campus unless in designated areas.
- C. You are permitted access only to the work site and no other area of the institution.
- D. Secure all tools at the end of the day.
- E. Maintain control of all tools, supplies, and debris at all times during the work.

1.09 BID PACKAGE INSTRUCTIONS

- A. **Bid Package #01 – Retaining Wall Repairs:** Trade Contractor shall include all of the following, but not limited to, as part of the contract:
 1. Includes all project drawings and specifications.

2. This contractor is responsible for the replacement of the retaining wall located at Terrace Hill as outlined in the contract documents. This includes but is not limited to all demolition, concrete, sealing, painting, asphalt, masonry retaining wall, pavement replacement, striping and site restoration.
3. All work shall be constructed in accordance with the most recent edition of the Iowa statewide urban design specifications for public improvements (SUDAS). Erosion control measures shall be provided and maintained throughout construction.
4. This contractor shall be responsible for all traffic control according to MUTCD and city of Des Moines requirements, including obtaining required city permits. Access to adjacent businesses and residential driveways must be maintained throughout construction. Project intent is to maintain access to half of the parking lot for the duration of the project.
5. This contractor is responsible for temporary sanitary facilities and handwashing station.
6. This contractor is responsible for providing dumpster services during construction.
7. Contractor is responsible for city of Des Moines right-of-way permitting that will be required for this project. Contractor shall prepare a traffic control plan according to their proposed means and methods.
8. Contractor shall be responsible for any road repairs / modifications for where the drive connects to the street.
9. Contractor shall be responsible for all repairs / modifications to the railings as noted in the contract documents.
10. Contractor shall be responsible for providing and maintaining site fencing around construction area.
11. This contractor shall be responsible for new sod. This shall include fertilizing, mulching, watering, and maintenance per specifications. (Add. #01)
12. Contractor shall provide temporary water needed to perform one's work. This Contractor shall include in their bid the cost for the installation of a temporary water meter or water truck to haul in water. The cost for water to also be included in this bid. (Add. #01)
13. Sod materials and installation shall meet SUDAS specifications. Contractor is responsible for watering the sod for the first 4 weeks post-sold placement. Owner will assume responsibility for watering after 4 weeks. The 4-week time doesn't start until all sod has been laid. (Add. #01)

B. **Work Performed by Owner:** Terrace Hill will perform the following work items:

1. Landscaping

C. **Owner Furnished Products:** Terrace Hill will provide the following materials for installation by the contractor:

1. None

PART 2 - PRODUCTS – NOT USED

PART 3 - EXECUTION – NOT USED

END OF SECTION

**SECTION 32 1313
CONCRETE PAVING**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Concrete sidewalks, integral curbs, and parking areas.

1.02 RELATED REQUIREMENTS

- A. Section 07 9005 - Joint Sealants: Sealing joints.
- B. Section 31 2200 - Grading: Preparation of site for paving. and base and preparation of subsoil at pavement perimeter.
- C. Section 31 2323 - Fill: Compacted subbase for paving.

1.03 REFERENCE STANDARDS

- A. ACI 211.1 - Selecting Proportions for Normal-Density and High Density-Concrete - Guide; 2022.
- B. ACI 301 - Specifications for Concrete Construction; 2020.
- C. ACI 304R - Guide for Measuring, Mixing, Transporting, and Placing Concrete; 2000 (Reapproved 2009).
- D. ACI 305R - Guide to Hot Weather Concreting; 2020.
- E. ACI 306R - Guide to Cold Weather Concreting; 2016.
- F. ASTM A615/A615M - Standard Specification for Deformed and Plain Carbon-Steel Bars for Concrete Reinforcement; 2022.
- G. ASTM C33/C33M - Standard Specification for Concrete Aggregates; 2018.
- H. ASTM C39/C39M - Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens; 2021.
- I. ASTM C94/C94M - Standard Specification for Ready-Mixed Concrete; 2022a.
- J. ASTM C150/C150M - Standard Specification for Portland Cement; 2022.
- K. ASTM C173/C173M - Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method; 2016.
- L. ASTM C260/C260M - Standard Specification for Air-Entraining Admixtures for Concrete; 2010a (Reapproved 2016).
- M. ASTM C494/C494M - Standard Specification for Chemical Admixtures for Concrete; 2019, with Editorial Revision (2022).
- N. ASTM D1751 - Standard Specification for Preformed Expansion Joint Filler for Concrete Paving and Structural Construction (Nonextruding and Resilient Bituminous Types); 2018.
- O. ASTM D1752 - Standard Specification for Preformed Sponge Rubber, Cork and Recycled PVC Expansion Joint Fillers for Concrete Paving and Structural Construction; 2018.
- P. ASTM D8139 - Standard Specification for Semi-Rigid, Closed-Cell Polypropylene Foam, Preformed Expansion Joint Fillers for Concrete Paving and Structural Construction; 2017.

1.04 SUBMITTALS

- A. See Section 01 3000 - Administrative Requirements, for submittal procedures.
- B. Product Data: Provide data on joint filler, admixtures, and curing compound.

PART 2 PRODUCTS

2.01 PAVING ASSEMBLIES

- A. Concrete Sidewalks and Parking Pavement: 4,000 psi 28 day concrete, 6 inches thick.

2.02 FORM MATERIALS

- A. Wood form material, profiled to suit conditions.
- B. Joint Filler: Preformed; non-extruding bituminous type (ASTM D1751) or sponge rubber or cork (ASTM D1752).

2.03 REINFORCEMENT

- A. Epoxy coated carbon steel rebar: ASTM A615 for deformed and plain rebars in concrete reinforcement in grade 60.
- B. Dowels: ASTM A615/A615M, Grade 60 - 60,000 psi yield strength; deformed billet steel bars; epoxy coated finish.

2.04 CONCRETE MATERIALS

- A. Obtain cementitious materials from same source throughout.
- B. Cement: ASTM C150/C150M, Normal - Type I Portland cement, gray color.
- C. Fine and Coarse Mix Aggregates: ASTM C33/C33M.
- D. Air-Entraining Admixtures: ASTM C260/C260M.

2.05 CONCRETE MIX DESIGN

- A. Proportioning Normal Weight Concrete: Comply with ACI 211.1 recommendations.
- B. Concrete Strength: Establish required average strength for each type of concrete on the basis of field experience or trial mixtures, as specified in ACI 301.
 - 1. For trial mixtures method, employ independent testing agency acceptable to Architect for preparing and reporting proposed mix designs.
- C. Admixtures: Add acceptable admixtures as recommended in ACI 211.1 and at rates recommended by manufacturer.
- D. Concrete Properties:
 - 1. Compressive strength, when tested in accordance with ASTM C39/C39M at 28 days; 4,000 psi.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify compacted subgrade is acceptable and ready to support paving and imposed loads.
- B. Verify gradients and elevations of base are correct.

3.02 SUBBASE

- A. Prepare subbase in accordance with State of Iowa Highways standards.

3.03 PREPARATION

- A. Moisten base to minimize absorption of water from fresh concrete.

3.04 FORMING

- A. Place and secure forms to correct location, dimension, profile, and gradient.
- B. Assemble formwork to permit easy stripping and dismantling without damaging concrete.
- C. Place joint filler vertical in position, in straight lines. Secure to formwork during concrete placement.

3.05 REINFORCEMENT

- A. Place reinforcement at top of slabs-on-grade.
- B. Place dowels to achieve pavement and curb alignment as detailed.

3.06 COLD AND HOT WEATHER CONCRETING

- A. Follow recommendations of ACI 305R when concreting during hot weather.
- B. Follow recommendations of ACI 306R when concreting during cold weather.
- C. Do not place concrete when base surface temperature is less than 40 degrees F, or surface is wet or frozen.

3.07 PLACING CONCRETE

- A. Place concrete in accordance with ACI 304R.
- B. Do not place concrete when base surface is wet.
- C. Ensure reinforcement, inserts, embedded parts, formed joints are not disturbed during concrete placement.
- D. Place concrete continuously over the full width of the panel and between predetermined construction joints. Do not break or interrupt successive pours such that cold joints occur.

3.08 JOINTS

- A. Align curb, gutter, and sidewalk joints.
- B. Place 3/8 inch wide expansion joints at 20 foot intervals and to separate paving from vertical surfaces and other components and in pattern indicated.
 - 1. Form joints with joint filler extending from bottom of pavement to within 1/2 inch of finished surface.
 - 2. Secure to resist movement by wet concrete.
- C. Saw cut contraction joints 3/16 inch wide at an optimum time after finishing. Cut 1/3 into depth of slab.

3.09 FINISHING

- A. Area Paving: Light broom, texture perpendicular to pavement direction.
- B. Sidewalk Paving: Light broom, texture perpendicular to direction of travel with troweled and radiused edge 1/4 inch radius.
- C. Curbs and Gutters: Light broom, texture parallel to pavement direction.
- D. Inclined Vehicular Ramps: Broomed perpendicular to slope.

3.10 TOLERANCES

- A. Maximum Variation of Surface Flatness: 1/4 inch in 10 ft.

3.11 FIELD QUALITY CONTROL

- A. An independent testing agency will perform field quality control tests, as specified in Section 01 4000 - Quality Requirements.
 - 1. Provide free access to concrete operations at project site and cooperate with appointed firm.
 - 2. Tests of concrete and concrete materials may be performed at any time to ensure compliance with specified requirements.

3.12 PROTECTION

- A. Immediately after placement, protect pavement from premature drying, excessive hot or cold temperatures, and mechanical injury.
- B. Do not permit pedestrian traffic over pavement until 75 percent design strength of concrete has been achieved.

END OF SECTION

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End of Addendum #01