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Letting June 17, 2022

Notice to Bidders, Specifications and Proposal



**Illinois Department
of Transportation**

Springfield, Illinois 62764

**Contract No. QI065
Quincy Regional Airport
Quincy, Illinois
Adams County
Illinois Project No. UIN-5025
AIP Project No. N/A**



NOTICE TO BIDDERS

- 1. TIME AND PLACE OF OPENING BIDS.** Electronic bids are to be submitted to the electronic bidding system (iCX-Integrated Contractors Exchange). All bids must be submitted to the iCX system prior to 12:00 p.m. on June 17, 2022, at which time the bids will be publicly opened from the iCX SecureVault.
- 2. DESCRIPTION OF WORK.** The proposed improvement is identified and advertised for bids in the Invitation for Bids as:

**Contract No. QI065
Quincy Regional Airport
Quincy, Illinois
Adams County
Illinois Project No. UIN-5025
AIP Project No. N/A**

Construct Airport General Aviation Aircraft Apron and Roadway

For engineering information, please contact Wes loerger, P.E. of Crawford, Murphy & Tilly, Inc. at 217.572.1107.

3. INSTRUCTIONS TO BIDDERS.

- (a) This Notice, the invitation for bids, proposal and letter of award shall, together with all other documents in accordance with Article 10-18 of the Illinois Standard Specifications for Construction of Airports (Adopted April 1, 2012), become part of the contract. Bidders are cautioned to read and examine carefully all documents, to make all required inspections, and to inquire or seek explanation of the same prior to submission of a bid.
- (b) State law, and, if the work is to be paid wholly or in part with Federal-aid funds, Federal law requires the bidder to make various certifications as a part of the proposal and contract. By execution and submission of the proposal, the bidder makes the certification contained therein. A false or fraudulent certification shall, in addition to all other remedies provided by law, be a breach of contract and may result in termination of the contract.

- 4. AWARD CRITERIA AND REJECTION OF BIDS.** This contract will be awarded within 90 calendar days to the lowest responsive and responsible bidder considering conformity with the terms and conditions established by the Department in the rules, Invitation for Bids and contract documents. The issuance of plans and proposal forms for bidding based upon a prequalification rating shall not be the sole determinant of responsibility. The Department reserves the right to determine responsibility at the time of award, to reject any or all proposals, to readvertise the proposed improvement, and to waive technicalities.

- 5. PRE-BID CONFERENCE.** A voluntary pre-bid meeting for Construct Airport General Aviation Aircraft Apron and Roadway will be held on Wednesday, May 25, 2022, at 2:30 PM CDT. Location Notes - Teleconference. Meeting Description - This meeting will be held by teleconference. Contact Wes loerger at CMT (wloerger@cmtengr.com) to request an invitation and the pre-bid meeting agenda.

- 6. DISADVANTAGED BUSINESS POLICY.** The DBE goal for this contract is 13.0%.

- 7. SPECIFICATIONS AND DRAWINGS.** The work shall be done in accordance with the Illinois Standard Specifications for Construction of Airports (Adopted April 1, 2012), the Special Provisions dated April 22, 2022, and the Construction Plans dated April 22, 2022 as approved by the Illinois Department of Transportation, Division of Aeronautics.

8. BIDDING REQUIREMENTS AND BASIS OF AWARD. When alternates are included in the proposal, the following shall apply:

a. Additive Alternates

(1) Bidders must submit a bid for the Base Bid and for all Additive Alternates.

(2) Award of this contract will be made to the lowest responsible qualified bidder computed as follows:

The lowest aggregate amount of (i) the Base Bid plus (ii) any Additive Alternate(s) which the Department elects to award.

The Department may elect not to award any Additive Alternates. In that case, award will be to the lowest responsible qualified bidder of the Base Bid.

b. Optional Alternates

(1) Bidders must submit a bid for the Base Bid and for either Alternate A or Alternate B or for both Alternate A and Alternate B.

(2) Award of this contract will be made to the lowest responsible qualified bidder computed as follows:

The lower of the aggregate of either (i) the Base Bid plus Alternate A or (ii) the Base Bid plus Alternate B.

9. CONTRACT TIME. The Contractor shall complete all work within the specified contract time. Any calendar day extension beyond the specified contract time must be fully justified, requested by the Contractor in writing, and approved by the Engineer, or be subject to liquidated damages.

The contract time for this contract is Base Bid: 109 calendar days; Additive Alternate #1: 0 additional calendar days.

10. INDEPENDENT WEIGHT CHECKS. The Department reserves the right to conduct random unannounced independent weight checks on any delivery for bituminous, aggregate or other pay item for which the method of measurement for payment is based on weight. The weight checks will be accomplished by selecting, at random, a loaded truck and obtaining a loaded and empty weight on an independent scale. In addition, the department may perform random weight checks by obtaining loaded and empty truck weights on portable scales operated by department personnel.

11. MATERIAL COST ADJUSTMENTS. The Illinois Department of Transportation, Division of Aeronautics does not offer any material cost adjustment provisions.

12. GOOD FAITH COMPLIANCE. The Illinois Department of Transportation has made a good faith effort to include all statements, requirements, and other language required by federal and state law and by various offices within federal and state governments whether that language is required by law or not. If anything of this nature has been left out or if additional language etc. is later required, the bidder/contractor shall cooperate fully with the Department to modify the contract or bid documents to correct the deficiency. If the change results in increased operational costs, the Department shall reimburse the contractor for such costs as it may find to be reasonable.

By Order of the
Illinois Department of Transportation

Omer Osman,
Secretary

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
EEO

Effective: July 21, 1978
Revised: November 18, 1980

The requirements of the following provisions written for federally-assisted construction contracts, including all goals and timetables and affirmative action steps, shall also apply to all State-funded construction contracts awarded by the Illinois Department of Transportation.

Notice of Requirement for Affirmative Action to Ensure
Equal Employment Opportunity (Executive Order 11246)

1. The offeror's or bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

APPENDIX A

The following goal for female utilization in each construction craft and trade shall apply to all Contractors holding Federal and federally assisted construction contracts and subcontracts in excess of \$10,000. The goal is applicable to the Contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a federal, federally assisted or nonfederally related construction contract or subcontract.

Area Covered (Statewide)

Goals for Women apply nationwide.

GOAL	Goal (percent)
Female Utilization	6.9

APPENDIX B

Until further notice, the following goals for minority utilization in each construction craft and trade shall apply to all Contractors holding federal and federally-assisted construction contracts and subcontracts in excess of \$10,000 to be performed in the respective geographical areas. The goals are applicable to the Contractor's total on-site construction workforce, regardless of whether or not part of that workforce is performing work on a federal, federally-assisted or nonfederally related construction contract or subcontract.

<u>Economic Area</u>	Goal (percent)
056 Paducah, KY: Non-SMSA Counties - IL - Hardin, Massac, Pope KY - Ballard, Caldwell, Calloway, Carlisle, Crittenden, Fulton, Graves, Hickman, Livingston, Lyon, McCracken, Marshall	5.2
080 Evansville, IN: Non-SMSA Counties - IL - Edwards, Gallatin, Hamilton, Lawrence, Saline, Wabash, White IN - Dubois, Knox, Perry, Pike, Spencer KY - Hancock, Hopkins, McLean, Mublenberg, Ohio, Union, Webster	3.5
081 Terre Haute, IN: Non-SMSA Counties - IL - Clark, Crawford IN - Parke	2.5

083	Chicago, IL: SMSA Counties: 1600 Chicago, IL -	19.6
	IL - Cook, DuPage, Kane, Lake, McHenry, Will 3740 Kankakee, IL -	9.1
	IL - Kankakee Non-SMSA Counties	18.4
	IL - Bureau, DeKalb, Grundy, Iroquois, Kendall, LaSalle, Livingston, Putnam	
	IN - Jasper, Laporte, Newton, Pulaski, Starke	
084	Champaign - Urbana, IL: SMSA Counties: 1400 Champaign - Urbana - Rantoul, IL -	7.8
	IL - Champaign Non-SMSA Counties -	4.8
	IL - Coles, Cumberland, Douglas, Edgar, Ford, Piatt, Vermilion	
085	Springfield - Decatur, IL: SMSA Counties: 2040 Decatur, IL -	7.6
	IL - Macon 7880 Springfield, IL -	4.5
	IL - Menard, Sangamon Non-SMSA Counties	4.0
	IL - Cass, Christian, Dewitt, Logan, Morgan, Moultrie, Scott, Shelby	
086	Quincy, IL: Non-SMSA Counties	3.1
	IL - Adams, Brown, Pike	
	MO - Lewis, Marion, Pike, Ralls	
087	Peoria, IL: SMSA Counties: 1040 Bloomington - Normal, IL -	2.5
	IL - McLean 6120 Peoria, IL -	4.4
	IL - Peoria, Tazewell, Woodford Non-SMSA Counties -	3.3
	IL - Fulton, Knox, McDonough, Marshall, Mason, Schuyler, Stark, Warren	
088	Rockford, IL: SMSA Counties: 6880 Rockford, IL -	6.3
	IL - Boone, Winnebago Non-SMSA Counties -	4.6
	IL - Lee, Ogle, Stephenson	
098	Dubuque, IA: Non-SMSA Counties -	0.5
	IL - JoDaviess	
	IA - Atlamakee, Clayton, Delaware, Jackson, Winnesheik	
	WI - Crawford, Grant, Lafayette	
099	Davenport, Rock Island, Moline, IA - IL: SMSA Counties: 1960 Davenport, Rock Island, Moline, IA - IL -	4.6
	IL - Henry, Rock Island IA - Scott Non-SMSA Counties -	3.4
	IL - Carroll, Hancock, Henderson, Mercer, Whiteside IA - Clinton, DesMoines, Henry, Lee, Louisa, Muscatine MO - Clark	

107	St. Louis, MO: SMSA Counties: 7040 St. Louis, MO - IL -	14.7
	IL - Clinton, Madison, Monroe, St. Clair MO - Franklin, Jefferson, St. Charles, St. Louis, St. Louis City	
	Non-SMSA Counties -	11.4
	IL - Alexander, Bond, Calhoun, Clay, Effingham, Fayette, Franklin, Greene, Jackson, Jasper, Jefferson, Jersey, Johnson, Macoupin, Marion, Montgomery, Perry, Pulaski, Randolph, Richland, Union, Washington, Wayne, Williamson	
	MO - Bollinger, Butler, Cape Girardeau, Carter, Crawford, Dent, Gasconade, Iron, Lincoln, Madison, Maries, Mississippi, Montgomery, Perry, Phelps, Reynolds, Ripley, St. Francois, St. Genevieve, Scott, Stoddard, Warren, Washington, Wayne	

These goals are applicable to all the Contractor's construction work (whether or not it is federal or federally assisted) performed in the covered area. If the Contractor performs construction work in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the Contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with Executive Order 11246 and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the provisions and specifications set forth in its federally assisted contracts, and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the Contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order 11246 and the regulations in 41 CFR Part 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Illinois Department of Transportation will provide written notification to the Director of the Office of Federal Contract Compliance Programs within ten working days of award of any construction contract and/or subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. This notification will list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is the entire State of Illinois for the goal set forth in APPENDIX A and the county or counties in which the work is located for the goals set forth in APPENDIX B.

STANDARD FEDERAL EQUAL EMPLOYMENT
OPPORTUNITY CONSTRUCTION CONTRACT
SPECIFICATIONS (EXECUTIVE ORDER 11246)

1. As used in these specifications:
 - (a) "Covered area" means the geographical area described in the solicitation from which this contract resulted;
 - (b) "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority;
 - (c) "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941;
 - (d) "Minority" includes:
 - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin);
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000. the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the plan area (including goals and timetables) shall be in accordance with that Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor's or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction Contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress toward its goals in each craft during the period specified.
5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, or the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, such apprentices and trainees must be employed by the Contractor during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative actions to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - (a) Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working as such sites or in such facilities.
 - (b) Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.
 - (c) Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefor, along with whatever additional actions the Contractors may have taken.
 - (d) Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
 - (e) Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
 - (f) Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreements; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
 - (g) Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foreman, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
 - (h) Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
 - (i) Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.
 - (j) Encourage present minority and female employees to recruit other minority persons and women and, where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of a Contractor's workforce.
 - (k) Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.

- (l) Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
 - (m) Ensure that seniority practices, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
 - (n) Ensure that all facilities and company activities are nonsegregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 - (o) Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction Contractors and suppliers, including circulation of solicitations to minority and female Contractor associations and other business associations.
 - (p) Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a Contractor association, joint Contractor-union, Contractor-community, or other similar group of which the Contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the Contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.
9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specified minority group of women is underutilized).
10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g., mechanic, apprentice, trainee, helper, or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy his requirement, Contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws which establish different standards of compliance or upon the application of requirements for the hiring of local or other area residents (e.g., those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
SPECIFIC EQUAL EMPLOYMENT OPPORTUNITY RESPONSIBILITIES
NONFEDERAL-AID CONTRACTS

Effective: March 20, 1969
Revised: January 1, 1994

1. General

- a. The requirements set forth herein shall constitute the specific affirmative action requirements under this contract and supplement the non-discrimination requirements contained elsewhere in this proposal.
- b. The Contractor shall work with the Illinois Department of Transportation (IDOT) in carrying out Equal Employment Opportunity (EEO) obligations and in reviews of activities under the contract.
- c. The Contractor, and all subcontractors holding subcontracts (not including material suppliers) of \$10,000 or more, shall comply with the following minimum specific requirement activities of EEO. The Contractor shall include these requirements in every subcontract of \$10,000 or more with such modification of language as is necessary to make them binding on the subcontractor.

2. Equal Employment Opportunity Policy

The Contractor shall accept as operating policy the following statement which is designed to further the provision of EEO to all persons, and to promote the full realization of equal employment opportunity through a positive continuing program: "It is the policy of this Company to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, religion, sex, color, national origin, age, or disability. Such action shall include: employment, upgrading, demotion, or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship, pre-apprenticeship, and/or on-the-job training."

3. Equal Employment Opportunity Officer

The Contractor shall designate and make known to IDOT contracting officers an EEO Officer who will have the responsibility for and must be capable of effectively administering and promoting an active Contractor program of EEO and who must be assigned adequate authority and responsibility to do so.

4. Dissemination of Policy

- a. All members of the Contractor's staff who are authorized to hire, supervise, promote, and discharge employees, or who recommend such action, or who are substantially involved in such action, will be made fully cognizant of, and will implement, the Contractor's EEO policy and contractual responsibilities to provide EEO in each grade and classification of employment. To ensure that the above agreement will be met, the following actions will be taken as a minimum:
 - (1) Periodic meetings of supervisory and personnel office employees will be conducted before the start of work and then not less often than once every six months, at which time the Contractor's EEO policy and its implementation will be reviewed and explained. The meetings will be conducted by the EEO Officer.
 - (2) All new supervisory or personnel office employees will be given a thorough indoctrination by the EEO Officer, covering all major aspects of the Contractor's EEO obligations within thirty days following their reporting for duty with the Contractor.
 - (3) All personnel who are engaged in direct recruitment for the project will be instructed by the EEO Officer in the Contractor's procedures for locating and hiring minority and female employees.
- b. In order to make the Contractor's EEO policy known to all employees, prospective employees, and potential sources of employees, i.e., schools, employment agencies, labor unions (where appropriate), college placement officers, etc., the Contractor shall take the following actions:
 - (1) Notices and posters setting forth the Contractor's EEO policy will be placed in areas readily accessible to employees, applicants for employment and potential employees.
 - (2) The Contractor's EEO policy and the procedures to implement such policy shall be brought to the attention of employees by means of meetings, employee handbooks, or other appropriate means.

5. Recruitment

- a. When advertising for employees, the Contractor shall include in all advertisements for employees the notation: "An Equal Opportunity Employer". All such advertisements shall be published in newspapers, or other publications, having a large circulation among minority groups in the area from which the project work force would normally be derived.
- b. The Contractor shall, unless precluded by a valid bargaining agreement, conduct systematic and direct recruitment through public and private employee referral sources likely to yield qualified minority and female applicants, including, but not limited to, State employment

agencies, schools, colleges and minority and female organizations. To meet this requirement, the Contractor shall, identify sources of potential minority and female employees, and establish with such identified sources procedures whereby minority and female applicants may be referred to the Contractor for employment consideration. In the event the Contractor has a valid bargaining agreement providing for exclusive hiring hall referrals, he/she is expected to observe the provisions of that agreement to the extent that the system permits the Contractor's compliance with EEO contract provisions.

- c. The Contractor shall encourage present employees to refer minority and female applicants for employment by posting appropriate notices or bulletins in areas accessible to all such employees. In addition, information and procedures with regard to referring minority and female applicants shall be discussed with employees.

6. Personnel Actions

Wages, working conditions, and employee benefits shall be established and administered, and personnel actions of every type, including hiring, upgrading, promotion, transfer, demotion, layoff, and termination, will be taken without regard to race, color, religion, sex, national origin, age, or disability. The following procedures shall be followed:

- a. The Contractor shall conduct periodic inspections of project sites to insure that working conditions and employee facilities do not indicate discriminatory treatment of project site personnel.
- b. The Contractor shall periodically evaluate the spread of wages paid within each classification to determine any evidence of discriminatory wage practices.
- c. The Contractor shall periodically review selected personnel actions in depth to determine whether there is evidence of discrimination. Where evidence is found, the Contractor shall promptly take corrective action. If the review indicates that the discrimination may extend beyond the actions reviewed, such corrective action shall include all affected persons.
- d. The Contractor shall promptly investigate all complaints of alleged discrimination made to the Contractor in connection with the obligations under this contract, shall attempt to resolve such complaints, and shall take appropriate corrective action within a reasonable time. If the investigation indicates that the discrimination may affect persons other than the complainant, such corrective action shall include such other persons. Upon completion of each investigation, the Contractor shall inform every complainant of all of the avenues of appeal.

7. Training and Promotion

- a. The Contractor shall assist in locating, qualifying and increasing the skills of minority and female employees and applicants for employment.
- b. Consistent with the Contractor's work force requirements and as permissible under Federal and State regulations, the Contractor shall make full use of training programs, i.e., apprenticeship, and on-the-job training programs for the geographical area of contract performance.
- c. The Contractor shall advise employees and applicants for employment of available training programs and entrance requirements for each.
- d. The Contractor shall periodically review the training and promotion potential of minority and female employees and shall encourage eligible employees to apply for such training and promotion.

8. Unions

If the Contractor relies in whole or in part upon unions as a source of employees, the Contractor shall use his/her best efforts to obtain the cooperation of such unions to increase opportunities for minorities and females within the unions, and to effect referrals by such unions of minority and female employees. Actions by the Contractor, either directly or through a Contractor's association acting as agent, shall include the procedures set forth below:

- a. The Contractor shall use best efforts to develop, in cooperation with the unions, joint training programs aimed toward qualifying more minority and female employees for membership in the unions and increasing the skills of minority and female and employees so that they may qualify for higher paying employment.
- b. The Contractor shall use best efforts to incorporate an EEO clause into each union agreement to the end that such union shall be contractually bound to refer applicants without regard to their race, color, religion, sex, national origin, age, or disability.
- c. The Contractor is to obtain information as to the referral practices and policies of the labor union, except that to the extent such information is within the exclusive possession of the labor union and such labor union refuses to furnish such information to the Contractor, the Contractor shall so certify to IDOT and shall set forth what efforts have been made to obtain such information.
- d. In the event the union is unable to provide the Contractor with a reasonable flow of minority and female referrals within the time limit set forth in the collective bargaining agreement, the Contractor shall, through independent recruitment efforts, fill the employment vacancies without regard to race, color, religion, sex, national origin, age, or disability; making full efforts to obtain qualified and/or qualifiable minorities and females. (The U.S. Department of Labor has held that it shall be no excuse that the union with which the Contractor has a collective bargaining agreement providing for exclusive referral failed to refer minorities or female employees). In the event the union referral practice prevents the Contractor from meeting the obligations pursuant to these Special Provisions, such Contractor shall immediately notify IDOT.

9. Selection of Subcontractors, Procurement of Materials, and Leasing of Equipment

The Contractor shall not discriminate on the grounds of race, color, religion, sex, national origin, age, or disability in the selection and retention of subcontractors, including procurement of materials and leases of equipment.

- a. The Contractor shall notify all potential subcontractors and suppliers of his/her EEO obligations under this contract.
- b. Disadvantaged business enterprises (DBE), as defined in 49 CFR Part 23, shall have equal opportunity to compete for and perform subcontracts which the Contractor enters into pursuant to this contract. The Contractor shall use best efforts to solicit bids from and to utilize DBE subcontractors or subcontractors with meaningful minority and female representation among their employees. Contractors shall obtain lists of DBE construction firms from IDOT personnel.
- c. The Contractor shall use his/her best efforts to ensure subcontractor compliance with their EEO obligations.

10. Records and Reports

The Contractor shall keep such records as necessary to document compliance with the EEO requirements. Such records shall be retained for a period of three years following completion of the contract work and shall be available at reasonable times and places for inspection by authorized representatives of IDOT.

- a. The records kept by the Contractor shall document the following:
 - (1) the number of minorities, non-minorities and females employed in each work classification on the project;
 - (2) the progress and efforts being made in cooperation with unions, when applicable, to increase employment opportunities for minorities and females;
 - (3) the progress and efforts being made in locating, hiring, training, qualifying, and upgrading minority and female employees; and
 - (4) the progress and efforts being made in securing the services of DBE subcontractors, or subcontractors with meaningful minority and female representation among their employees.
- b. The Contractor shall submit to IDOT a monthly report every month for the duration of the project, indicating the number of minority, non-minority and female employees currently engaged in each work classification required by contract work and the number of hours worked. This information is to be reported on Form SBE-956. If on-the-job training is being required by special provision, the Contractor will be required to collect and report training data.

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
REQUIRED PROVISIONS – STATE CONTRACTS

Effective: April 1 1965
Revised: January 1, 2017

I. SELECTION OF LABOR

The Contractor shall comply with all Illinois statutes pertaining to the selection of labor.

EMPLOYMENT OF ILLINOIS WORKERS DURING PERIODS OF
EXCESSIVE UNEMPLOYMENT

Whenever there is a period of excessive unemployment in Illinois, which is defined herein as any month immediately following two consecutive calendar months during which the level of unemployment in the State of Illinois has exceeded five percent as measured by the United States Bureau of Labor Statistics in its monthly publication of employment and unemployment figures, the Contractor shall employ at least 90 percent Illinois laborers. "Illinois laborer" means any person who has resided in Illinois for at least 30 days and intends to become or remain an Illinois resident.

Other laborers may be used when Illinois laborers as defined herein are not available, or are incapable of performing the particular type of work involved, if so certified by the Contractor and approved by the Engineer. The Contractor may place no more than three of his/her regularly employed non-resident executive and technical experts, who do not qualify as Illinois laborers, to do work encompassed by this Contract during period of excessive unemployment.

This provision applies to all labor, whether skilled, semi-skilled, or unskilled, whether manual or non-manual.

II. EQUAL EMPLOYMENT OPPORTUNITY

In the event of the Contractor's noncompliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act or the Illinois Department of Human Rights Rules and Regulations, the Contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political sub-divisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation.

During the performance of this Contract, the Contractor agrees as follows:

1. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status, or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
2. That, if it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability (in accordance with the Illinois Department of Human Rights Rules and Regulations) of minorities and women in the area(s) from which it may reasonably recruit and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
3. That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, order of protection status, national origin or ancestry, citizenship status, age, physical or mental disability unrelated to ability, military status, or an unfavorable discharge from military service.
4. That it will send to each labor organization or representative of workers with which it has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the Contractor's obligations under the Illinois Human Rights Act and the Illinois Department of Human Rights Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the Contractor in its efforts to comply with such Act and Rules and Regulations, the Contractor will promptly so notify the Illinois Department of Human Rights and IDOT and will recruit employees from other sources when necessary to fulfill its obligations thereunder.
5. That it will submit reports as required by the Illinois Department of Human Rights Rules and Regulations, furnish all relevant information as may from time to time be requested by the Illinois Department of Human Rights or IDOT, and in all respects comply with the Illinois Human Rights Act and the Illinois Department of Human Rights Rules and Regulations.
6. That it will permit access to all relevant books, records, accounts and work sites by personnel of IDOT and the Illinois Department of Human Rights for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Illinois Department of Human Rights Rules and Regulations.
7. That it will include verbatim or by reference the provisions of this clause in every subcontract it awards under which any portion of the contract obligations are undertaken or assumed, so that the provisions will be binding upon the subcontractor. In the same manner as with other provisions of this contract, the Contractor will be liable for compliance with applicable provisions of this clause by subcontractors; and further it will promptly notify IDOT and the Illinois Department of Human Rights in the event any subcontractor fails or refuses to comply with these provisions. In addition, the Contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

III. SUBLETTING OR ASSIGNING THE CONTRACT

1. The Contractor shall perform with his/her own organization contract work amounting to not less than 51 percent of the original total contract price, except that any items designated by the State as "Specialty Items" may be performed by subcontract and the amount of any such "Specialty Items" so performed may be deducted from the original total contract price before computing the amount of work required to be performed by the Contractor with his/her own organization.
 - a. "His/her own organization" shall be construed to include only worker employed and paid directly by the Contractor and equipment owned or rented by him/her, with or without operators.
 - b. "Specialty Items" shall be construed to be limited to work that requires specialized knowledge, craftsmanship or equipment not ordinarily available in contracting organizations qualified to bid on the contract as a whole and in general are to be limited to minor components of the overall contract.
2. In addition to the 51 percent requirement set forth in paragraph 1 above, the Contractor shall furnish (a) a competent superintendent or foreman who is employed by him/her, who has full authority to direct performance of the work in accordance with the contract requirements, and who is in charge of all construction operations (regardless of who performs the work), and (b) such other of his/her own organizational capability and responsibility (supervision, management, and engineering services) as the State highway department contracting officer determines is necessary to assure the performance of the contract.
3. The Contractor shall not sublet, sell, transfer, assign or otherwise dispose of the contract or contracts or any portion thereof, or of his/her right, title or interest therein, without written consent of the Engineer. In case such consent is given, the Contractor will be permitted to sublet a portion thereof, but shall perform with the Contractor's own organization, work amounting to not less than 51 percent of the total contract cost, except that any items designated in the contract as "specialty items" may be performed by subcontract and the cost of any such specialty items so performed by subcontract may be deducted from the total cost before computing the amount of work required to be performed by the Contractor with his/her own organization. Materials purchased or produced by the Contractor must be incorporated into the project by the Contractor's own organization if their cost is to be applied to the 50 percent requirement.

No subcontracts, or transfer of contract, shall in any case release the Contractor of his/her liability under the contract and bonds. All transactions of the Engineer shall be with the Contractor. The Contractor shall have representative on the job at all times when either contract or subcontract work is being performed.

All requests to subcontract shall contain a certification that the subcontract agreement exists in writing and physically contains the required Federal and State Equal Employment Opportunity provisions and Labor compliance provisions, including the contract minimum wage requirements. The Contractor shall permit Department or Federal representatives to examine the subcontract agreements upon notice.

4. Any items that have been selected as "Specialty Items" for the contract are listed as such in the Special Provisions, bid schedule, or elsewhere in the contract documents.
5. No portion of the contract shall be sublet, assigned or otherwise disposed of, except with the written consent of the State highway department contracting officer, or his/her authorized representative, and such consent when given shall not be construed to relieve the Contractor of any responsibility for the fulfillment of the contract. Request for permission to sublet, assign or otherwise dispose of any portion of the contract shall be in writing and accompanied by (a) a showing that the organization which will perform the work is particularly experienced and equipped for such work, and (b) an assurance by the Contractor that the labor standards provisions set forth in this contract shall apply to labor performed on all work encompassed by the request.

IV. COMPLIANCE WITH THE PREVAILING WAGE ACT

1. **Prevailing Wages.** All wages paid by the Contractor and each subcontractor shall be in compliance with The Prevailing Wage Act (820 ILCS 130), as amended, except where a prevailing wage violates a federal law, order, or ruling, the rate conforming to the federal law, order, or ruling shall govern. The Contractor shall be responsible to notify each subcontractor of the wage rates set forth in this contract and any revisions thereto. If the Department of Labor revises the wage rates, the Contractor will not be allowed additional compensation on account of said revisions. Current wage rate information shall be obtained by visiting the Department of Labor website at <http://www.illinois.gov/idol/Pages/default.aspx>. It is the responsibility of the Contractor to review the rates applicable to the work of this contract at regular intervals in order to insure the timely payment of current rates. Provision of this information to the Contractor by means of the Department of Labor website satisfies the notification of revisions by the Department to the Contractor pursuant to the Act, and the Contractor agrees that no additional notice is required.
2. **Payroll Records.** The Contractor and each subcontractor shall make and keep, for a period of three years from the later of the date of final payment under the contract or completion of the contract, records of the wages paid to his/her workers. The payroll records shall include each worker's name, address, telephone number, social security number, classification, rate of pay, number of hours worked each day, starting and ending times of work each day, total hours worked each week, itemized deductions made, and actual wages paid. Upon seven business days' notice, these records shall be available at a location within the State, during reasonable hours, for inspection by the Department or the Department of Labor; and Federal, State, or local law enforcement agencies and prosecutors.
3. **Submission of Payroll Records.** The Contractor and each subcontractor shall submit payroll records to the Engineer each week from the start to the completion of their respective work, except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall include an identification number for each employee (e.g., the last four digits of the employee's social security number). In addition, starting and ending times of work each day may be omitted from the payroll records submitted to the Engineer. The submittals shall be on the Department's form SBE 48, or an approved facsimile. When there has been no activity during a work week, a payroll record shall still be submitted with the appropriate box ("No Work", "Suspended", or "Complete") checked on the form.

Each submittal shall be accompanied by a statement signed by the Contractor or subcontractor, or an officer, employee, or officer thereof, which avers that: (i) he or she has examined the records and such records are true and accurate; (ii) the hourly rate paid to each worker is not less than the general prevailing rate of hourly wages required by the Act; and (iii) the Contractor or subcontractor is aware that filing a payroll record that he/she knows to be false is a Class A misdemeanor.

4. Employee Interviews. The Contractor and each subcontractor shall permit his/her employees to be interviewed on the job, during working hours, by compliance investigators of the Department or the Department of Labor.

V. NONSEGREGATED FACILITIES

(Applicable to State Financed Construction Contracts and related subcontracts exceeding \$10,000 which are not exempt from the Equal Opportunity clause).

By submission of this bid, the execution of this contract or subcontract, or the consummation of this material supply agreement, as appropriate, the bidder, construction Contractor, subcontractor, or material supplier, as appropriate, certifies that (s)he does not maintain or provide for his/her employees any segregated facilities at any of his/her establishments, and that (s)he does not permit his/her employees to perform their services at any location, under his/her control, where segregated facilities are maintained. (S)He certifies further that (s)he will not maintain or provide for his/her employees any segregated facilities at any of his/her establishments, and that (s)he will not permit his/her employees to perform their services at any location, under his/her control, where segregated facilities are maintained. (S)He agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, restrooms and washrooms, restaurants and other eating areas, time clocks, locker rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom, or otherwise. (S)He agrees that (except where he/she has obtained identical certifications from proposed subcontractors and material suppliers for specific time periods), he/she will obtain identical certifications from proposed subcontractors or material suppliers prior to the award of subcontracts or the consummation of material supply agreements, exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that (s)he will retain such certifications in his/her files.

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
SECTION 80 PROSECUTION AND PROGRESS

This Special Provision amends the provisions of the Standard Specifications for Construction of Airports, adopted April 1, 2012 and shall be construed to be a part thereof, superseding any conflicting provisions thereof applicable to the work under the contract.

80-09 FAILURE TO COMPLETE ON TIME.

DELETE: "See contract documents for current schedule of deductions."

ADD:

Schedule of Deductions for Each Day of Overrun in Contract Time			
Original Contract Amount		Daily Charges	
From More Than	To and Including	Calendar Day	Work Day
\$ 0	\$ 100,000	\$ 475	\$ 675
100,000	500,000	750	1,050
500,000	1,000,000	1,025	1,425
1,000,000	3,000,000	1,275	1,725
3,000,000	6,000,000	1,425	2,000
6,000,000	12,000,000	2,300	3,450
12,000,000	And over	6,775	9,525

State of Illinois
Department of Transportation

SPECIAL PROVISION
FOR
SECTION 90 MEASUREMENT AND PAYMENT

This Special Provision amends the provisions of the Standard Specifications for Construction of Airports, adopted April 1, 2012 and shall be construed to be a part thereof, superseding any conflicting provisions thereof applicable to the work under the contract.

90-07 PARTIAL PAYMENTS.

DELETE: The entire section.

ADD: Partial payments will be made to the Contractor at least once each month as the work progresses. The payments will be based upon estimates, prepared by the Resident Engineer, of the value of the work performed and materials complete and in place in accordance with the contract, plans, and specifications. Such partial payments may also include the delivered actual cost of those materials stockpiled and stored in accordance with the Section 90-08 PAYMENT FOR MATERIALS ON HAND. From the amount of partial payment so determined on Federal-Aid projects, there shall be deducted an amount up to ten percent of the cost of the completed work which shall be retained until all conditions necessary for financial closeout of the project are satisfied. The amount of the estimate approved as due for payment will be vouchered by the Department and presented to the State Comptroller for payment. No amount less than \$1,000.00 will be approved for payment other than the final payment. A final voucher for under \$5.00 shall not be paid except through electronic funds transfer. (15 ILCS 405/9(b-1))

It is understood and agreed that the Contractor shall not be entitled to demand or receive partial payment based on quantities of work in excess of those provided in the proposal or covered by approved change orders, except when such excess quantities have been determined by the Engineer to be a part of the final quantity for the item of work in question.

No partial payment shall bind the Department to the acceptance of any materials or work in place as to quality or quantity. All partial payments are subject to correction at the time of final payment as provided in Section 90-09 ACCEPTANCE AND FINAL PAYMENT.

Progress payments may be reduced by liens filed pursuant to Section 23(c) of the Mechanics Lien Act, 770 ILCS 60/23(c).

If a Contractor or subcontractor has defaulted on a loan issued under the Department's Disadvantaged Business Revolving Loan Program (20 ILCS 2705/2705-610) progress payments may be reduced pursuant to the terms of that loan agreement. In such cases, the amount of the estimate related to the work performed by the Contractor or subcontractor, in default of the loan agreement, will be offset, in whole or in part, and vouchered by the Department to the Working Capital Revolving Fund or designated escrow account. Payment for the work shall be considered as issued and received by the Contractor or subcontractor on the date of the offset voucher. Further, the amount of the offset voucher shall be a credit against the Department's obligation to pay the Contractor, the Contractor's obligation to pay the subcontractor, and the Contractor's or subcontractor's total loan indebtedness to the Department. The offset shall continue until such time as the entire loan indebtedness is satisfied. The Department will notify the Contractor and Fund Control Agent in a timely manner of such offset. The Contractor or subcontractor shall not be entitled to additional payment in consideration of the offset.

In accordance with 49 USC § 47111, the Department will not make payments totaling more than 90 percent of the contract until all conditions necessary for financial closeout of the project are satisfied.

The failure to perform any requirement, obligation, or term of the contract by the Contractor shall be reason for withholding any progress payments until the Department determines that compliance has been achieved.

90-10 TRUST AGREEMENT OPTION.

DELETE: The entire section.

STATE OF ILLINOIS

SPECIAL PROVISIONS

The following Special Provisions supplement the "Standard Specifications for Construction of Airports," adopted April 1, 2012, and the Special Provisions included herein which apply to and govern the airport improvement of: Construct Airport General Aviation Aircraft Apron and Roadway at Quincy Regional, Contract Q1065, and in case of conflict with any part or parts of said Specifications, the said Special Provisions shall take precedence and shall govern.

SPECIAL PROVISION FOR COMPLETION TIME VIA CALENDAR DAYS

It being understood and agreed that the completion within the time limit is an essential part of the contract, the bidder agrees to complete the work within **Base Bid: 109 calendar days; Additive Alternate #1: 0 additional calendar days**, unless additional time is granted by the Engineer in accordance with the provisions of the specifications. In case of failure to complete the work on or before the time named herein, or within such extra time as may have been allowed by extensions, the bidder agrees that the Department of Transportation shall withhold from such sum as may be due him/her under the terms of this contract, the costs, as set forth in Section 80-09 Failure to Complete on Time of the Standard Specifications, which costs shall be considered and treated not as a penalty but as damages due to the State from the bidder by reason of the failure of the bidder to complete the work within the time specified in the contract.

CONSTRUCTION AIR QUALITY – DIESEL VEHICLE EMISSIONS CONTROL (BDE)

Effective: April 1, 2009

Revised: January 2, 2012

Diesel Vehicle Emissions Control. The reduction of construction air emissions shall be accomplished by using cleaner burning diesel fuel. The term "equipment" refers to any and all diesel fuel powered devices (rated at 50 hp and above, to be used on the project site in excess of seven calendar days over the course of the construction period on the project site (including any "rental" equipment).

All equipment on the jobsite, with engine ratings of 50 hp and above, shall be required to: use Ultra Low Sulfur Diesel fuel (ULSD) exclusively (15 ppm sulfur content or less).

Diesel powered equipment in non-compliance will not be allowed to be used on the project site, and is also subject to a notice of non-compliance as outlined below.

The Contractor shall certify that only ULSD will be used in all jobsite equipment. The certification shall be presented to the Department prior to the commencement of the work.

If any diesel powered equipment is found to be in non-compliance with any portion of this specification, the Engineer will issue the Contractor a notice of non-compliance and identify an appropriate period of time, as outlined below under environmental deficiency deduction, in which to bring the equipment into compliance or remove it from the project site.

Any costs associated with bringing any diesel powered equipment into compliance with these diesel vehicle emissions controls shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed. The Contractor's compliance with this notice and any associated regulations shall also not be grounds for a claim.

Environmental Deficiency Deduction. When the Engineer is notified, or determines that an environmental control deficiency exists, he/she will notify the Contractor in writing, and direct the Contractor to correct the deficiency within a specified time period. The specified time-period, which begins upon Contractor notification, will be from 1/2 hour to 24 hours long, based on the urgency of the situation and the nature of the deficiency. The Engineer shall be the sole judge regarding the time period.

The deficiency will be based on lack of repair, maintenance and diesel vehicle emissions control.

If the Contractor fails to correct the deficiency within the specified time frame, a daily monetary deduction will be imposed for each calendar day or fraction thereof the deficiency continues to exist. The calendar day(s) will begin when the time period for correction is exceeded and end with the Engineer's written acceptance of the correction. The daily monetary deduction will be \$1,000.00 for each deficiency identified.

If a Contractor or subcontractor accumulates three environmental deficiency deductions in a contract period, the Contractor will be shutdown until the deficiency is corrected. Such a shutdown will not be grounds for any extension of contract time, waiver of penalties, or be grounds for any claim.

CONSTRUCTION AIR QUALITY – IDLING RESTRICTION (BDE)

Effective: April 1, 2009

Idling Restrictions. The Contractor shall establish truck-staging areas for all diesel powered vehicles that are waiting to load or unload material at the jobsite. Staging areas shall be located where the diesel emissions from the equipment will have a minimum impact on adjacent sensitive receptors. The

Department will review the selection of staging areas, whether within or outside the existing highway right-of-way, to avoid locations near sensitive areas or populations to the extent possible. Sensitive receptors include, but are not limited to, hospitals, schools, residences, motels, hotels, daycare facilities, elderly housing and convalescent facilities. Diesel powered engines shall also be located as far away as possible from fresh air intakes, air conditioners, and windows. The Engineer will approve staging areas before implementation.

Diesel powered vehicle operators may not cause or allow the motor vehicle, when it is not in motion, to idle for more than a total of 10 minutes within any 60 minute period, except under any of the following circumstances:

- 1) The motor vehicle has a gross vehicle weight rating of less than 8000 lb (3630 kg).
- 2) The motor vehicle idles while forced to remain motionless because of on-highway traffic, an official traffic control device or signal, or at the direction of a law enforcement official.
- 3) The motor vehicle idles when operating defrosters, heaters, air conditioners, or other equipment solely to prevent a safety or health emergency.
- 4) A police, fire, ambulance, public safety, other emergency or law enforcement motor vehicle, or any motor vehicle used in an emergency capacity, idles while in an emergency or training mode and not for the convenience of the vehicle operator.
- 5) The primary propulsion engine idles for maintenance, servicing, repairing, or diagnostic purposes if idling is necessary for such activity.
- 6) A motor vehicle idles as part of a government inspection to verify that all equipment is in good working order, provided idling is required as part of the inspection.
- 7) When idling of the motor vehicle is required to operate auxiliary equipment to accomplish the intended use of the vehicle (such as loading, unloading, mixing, or processing cargo; controlling cargo temperature; construction operations, lumbering operations; oil or gas well servicing; or farming operations), provided that this exemption does not apply when the vehicle is idling solely for cabin comfort or to operate non-essential equipment such as air conditioning, heating, microwave ovens, or televisions.
- 8) When the motor vehicle idles due to mechanical difficulties over which the operator has no control.
- 9) The outdoor temperature is less than 32 °F (0 °C) or greater than 80 °F (26 °C).

When the outdoor temperature is greater than or equal to 32 °F (0 °C) or less than or equal to 80 °F (26 °C), a person who operates a motor vehicle operating on diesel fuel shall not cause or allow the motor vehicle to idle for a period greater than 30 minutes in any 60 minute period while waiting to weigh, load, or unload cargo or freight, unless the vehicle is in a line of vehicles that regularly and periodically moves forward.

The above requirements do not prohibit the operation of an auxiliary power unit or generator set as an alternative to idling the main engine of a motor vehicle operating on diesel fuel.

Environmental Deficiency Deduction. When the Engineer is notified, or determines that an environmental control deficiency exists based on non-compliance with the idling restrictions, he/she will notify the Contractor, and direct the Contractor to correct the deficiency.

If the Contractor fails to correct the deficiency a monetary deduction will be imposed. The monetary deduction will be \$1,000.00 for each deficiency identified.

SPECIAL PROVISION FOR DISADVANTAGED BUSINESS ENTERPRISE PARTICIPATION

Effective: September 1, 2000

Revised: March 2, 2019

FEDERAL OBLIGATION. The Department of Transportation, as a recipient of federal financial assistance, is required to take all necessary and reasonable steps to ensure nondiscrimination in the award and administration of contracts. Consequently, the federal regulatory provisions of 49 CFR Part 26 apply to this contract concerning the utilization of disadvantaged business enterprises. For the purposes of this Special Provision, a disadvantaged business enterprise (DBE) means a business certified by the Department in accordance with the requirements of 49 CFR Part 26 and listed in the Illinois Unified Certification Program (IL UCP) DBE Directory.

STATE OBLIGATION. This Special Provision will also be used by the Department to satisfy the requirements of the Business Enterprise for Minorities, Females, and Persons with Disabilities Act, 30 ILCS 575. When this Special Provision is used to satisfy state law requirements on 100 percent state-funded contracts, the federal government has no involvement in such contracts (not a federal-aid contract) and no responsibility to oversee the implementation of this Special Provision by the Department on those contracts. DBE participation on 100 percent state-funded contracts will not be credited toward fulfilling the Department's annual overall DBE goal required by the US Department of Transportation to comply with the federal DBE program requirements.

CONTRACTOR ASSURANCE. The Contractor makes the following assurance and agrees to include the assurance in each subcontract the Contractor signs with a subcontractor.

The Contractor, subrecipient, or subcontractor shall not discriminate on the basis of race, color, national origin, or sex in the performance of this contract. The Contractor shall carry out applicable requirements of 49 CFR Part 26 in the award and administration of contracts funded in whole or in part with federal or state funds. Failure by the Contractor to carry out these requirements is a material breach of this contract, which may result in the termination of this contract or such other remedy as the recipient deems appropriate, which may include, but is not limited to:

- (a) Withholding progress payments;
- (b) Assessing sanctions;
- (c) Liquidated damages; and/or
- (d) Disqualifying the Contractor from future bidding as non-responsible.

OVERALL GOAL SET FOR THE DEPARTMENT. As a requirement of compliance with 49 CFR Part 26, the Department has set an overall goal for DBE participation in its federally assisted contracts. That goal applies to all federal-aid funds the Department will expend in its federally assisted contracts for the subject reporting fiscal year. The Department is required to make a good faith effort to achieve the overall goal. The dollar amount paid to all approved DBE companies performing work called for in this contract is eligible to be credited toward fulfillment of the Department's overall goal.

CONTRACT GOAL TO BE ACHIEVED BY THE CONTRACTOR. This contract includes a specific DBE utilization goal established by the Department. The goal has been included because the Department has determined the work of this contract has subcontracting opportunities that may be suitable for performance by DBE companies. The determination is based on an assessment of the type of work, the location of the work, and the availability of DBE companies to do a part of the work. The assessment indicates, in the absence of unlawful discrimination and in an arena of fair and open competition, DBE companies can be expected to perform 13.0% of the work. This percentage is set as the DBE participation goal for this contract. Consequently, in addition to the other award criteria established for this contract, the Department will only award this contract to a bidder who makes a good faith effort to meet this goal of DBE participation in the performance of the work. A bidder makes a good faith effort for award consideration if either of the following is done in accordance with the procedures set for in this Special Provision:

- (a) The bidder documents enough DBE participation has been obtained to meet the goal or,
- (b) The bidder documents a good faith effort has been made to meet the goal, even though the effort did not succeed in obtaining enough DBE participation to meet the goal.

DBE LOCATOR REFERENCES. Bidders shall consult the IL UCP DBE Directory as a reference source for DBE-certified companies. In addition, the Department maintains a letting and item specific DBE locator information system whereby DBE companies can register their interest in providing quotes on particular bid items advertised for letting. Information concerning DBE companies willing to quote work for particular contracts may be obtained by contacting the Department's Bureau of Small Business Enterprises at telephone number (217) 785-4611, or by visiting the Department's website at: <http://www.idot.illinois.gov/doing-business/certifications/disadvantaged-business-enterprise-certification/il-ucp-directory/index>.

BIDDING PROCEDURES. Compliance with this Special Provision is a material bidding requirement and failure of the bidder to comply will render the bid not responsive.

The bidder shall submit a DBE Utilization Plan (form SBE 2026), and a DBE Participation Statement (form SBE 2025) for each DBE company proposed for the performance of work to achieve the contract goal, with the bid. If the Utilization Plan indicates the contract goal will not be met, documentation of good faith efforts shall also be submitted. The documentation of good faith efforts must include copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor is selected over a DBE for work on the contract. The required forms and documentation must be submitted as a single .pdf file using the "Integrated Contractor Exchange (iCX)" application within the Department's "EBids System".

The Department will not accept a Utilization Plan if it does not meet the bidding procedures set forth herein and the bid will be declared not responsive. In the event the bid is declared not responsive, the Department may elect to cause the forfeiture of the penal sum of the bidder's proposal guaranty and may deny authorization to bid the project if re-advertised for bids.

GOOD FAITH EFFORT PROCEDURES. The contract will not be awarded until the Utilization Plan is approved. All information submitted by the bidder must be complete, accurate and adequately document enough DBE participation has been obtained or document the good faith efforts of the bidder, in the event enough DBE participation has not been obtained, before the Department will commit to the performance of the contract by the bidder. The Utilization Plan will be approved by the Department if the Utilization Plan documents sufficient commercially useful DBE work to meet the contract goal or the bidder submits sufficient documentation of a good faith effort to meet the contract goal pursuant to 49 CFR Part 26, Appendix A. This means the bidder must show that all necessary and reasonable steps were taken to achieve the contract goal. Necessary and reasonable steps are those which, by their scope, intensity and appropriateness to the objective, could reasonably be expected to obtain sufficient DBE participation, even if they were not successful. The Department will consider the quality, quantity, and intensity of the kinds of efforts the bidder has made. Mere *pro forma* efforts, in other words efforts done as a matter of form, are not good faith efforts; rather, the bidder is expected to have taken genuine efforts that would be reasonably expected of a bidder actively and aggressively trying to obtain DBE participation sufficient to meet the contract goal.

(a) The following is a list of types of action that the Department will consider as part of the evaluation of the bidder's good faith efforts to obtain participation. These listed factors are not intended to be a mandatory checklist and are not intended to be exhaustive. Other factors or efforts brought to the attention of the Department may be relevant in appropriate cases and will be considered by the Department.

(1) Soliciting through all reasonable and available means (e.g. attendance at pre-bid meetings, advertising and/or written notices) the interest of all certified DBE companies that have the capability to perform the work of the contract. The bidder must solicit this interest within sufficient time to allow the DBE companies to respond to the solicitation. The bidder must determine with certainty if the DBE companies are interested by taking appropriate steps to follow up initial solicitations.

(2) Selecting portions of the work to be performed by DBE companies in order to increase the likelihood that the DBE goals will be achieved. This includes, where appropriate, breaking out contract work items into economically feasible units to facilitate DBE participation, even when the Contractor might otherwise prefer to perform these work items with its own forces.

(3) Providing interested DBE companies with adequate information about the plans, specifications, and requirements of the contract in a timely manner to assist them in responding to a solicitation.

(4) a. Negotiating in good faith with interested DBE companies. It is the bidder's responsibility to make a portion of the work available to DBE subcontractors and suppliers and to select those portions of the work or material needs consistent with the available DBE subcontractors and suppliers, so as to facilitate DBE participation. Evidence of such negotiation includes the names, addresses, and telephone numbers of DBE companies that were considered; a description of the information provided regarding the plans and specifications for the work selected for subcontracting; and evidence as to why additional agreements could not be reached for DBE companies to perform the work.

b. A bidder using good business judgment would consider a number of factors in negotiating with subcontractors, including DBE subcontractors, and would take a firm's price and capabilities as well as contract goals into consideration. However, the fact that there may be some additional costs involved in finding and using DBE companies is not in itself sufficient reason for a bidder's failure to meet the contract DBE goal, as long as such costs are reasonable. Also the ability or desire of a bidder to perform the work of a contract with its own organization does not relieve the bidder of the responsibility to make good faith efforts. Bidders are not, however, required to accept higher quotes from DBE companies if the price difference is excessive or unreasonable. In accordance with the above Bidding Procedures, the documentation of good faith efforts must include copies of each DBE and non-DBE subcontractor quote submitted to the bidder when a non-DBE subcontractor was selected over a DBE for work on the contract.

(5) Not rejecting DBE companies as being unqualified without sound reasons based on a thorough investigation of their capabilities. The bidder's standing within its industry, membership in specific groups, organizations, or associations and political or social affiliations (for example union vs. non-union employee status) are not legitimate causes for the rejection or non-solicitation of bids in the bidder's efforts to meet the project goal.

- (6) Making efforts to assist interested DBE companies in obtaining bonding, lines of credit, or insurance as required by the recipient or Contractor.
- (7) Making efforts to assist interested DBE companies in obtaining necessary equipment, supplies, materials, or related assistance or services.
- (8) Effectively using the services of available minority/women community organizations; minority/women contractors' groups; local, state, and federal minority/women business assistance offices; and other organizations as allowed on a case-by-case basis to provide assistance in the recruitment and placement of DBE companies.

(b) If the Department determines the bidder has made a good faith effort to secure the work commitment of DBE companies to meet the contract goal, the Department will award the contract provided it is otherwise eligible for award. If the Department determines the bidder has failed to meet the requirements of this Special Provision or that a good faith effort has not been made, the Department will notify the responsible company official designated in the Utilization Plan that the bid is not responsive. The notification will also include a statement of reasons for the adverse determination. If the Utilization Plan is not approved because it is deficient as a technical matter, unless waived by the Department, the bidder will be notified and will be allowed no more than a five calendar day period to cure the deficiency.

(c) The bidder may request administrative reconsideration of an adverse determination by emailing the Department at "DOT.DBE.UP@illinois.gov" within the five calendar days after the receipt of the notification of the determination. The determination shall become final if a request is not made on or before the fifth calendar day. A request may provide additional written documentation or argument concerning the issues raised in the determination statement of reasons, provided the documentation and arguments address efforts made prior to submitting the bid. The request will be reviewed by the Department's Reconsideration Officer. The Reconsideration Officer will extend an opportunity to the bidder to meet in person to consider all issues of documentation and whether the bidder made a good faith effort to meet the goal. After the review by the Reconsideration Officer, the bidder will be sent a written decision within ten working days after receipt of the request for reconsideration, explaining the basis for finding that the bidder did or did not meet the goal or make adequate good faith efforts to do so. A final decision by the Reconsideration Officer that a good faith effort was made shall approve the Utilization Plan submitted by the bidder and shall clear the contract for award. A final decision that a good faith effort was not made shall render the bid not responsive.

CALCULATING DBE PARTICIPATION. The Utilization Plan values represent work anticipated to be performed and paid for upon satisfactory completion. The Department is only able to count toward the achievement of the overall goal and the contract goal the value of payments made for the work actually performed by DBE companies. In addition, a DBE must perform a commercially useful function on the contract to be counted. A commercially useful function is generally performed when the DBE is responsible for the work and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. The Department and Contractor are governed by the provisions of 49 CFR Part 26.55(c) on questions of commercially useful functions as it affects the work. Specific counting guidelines are provided in 49 CFR Part 26.55, the provisions of which govern over the summary contained herein.

(a) DBE as the Contractor: 100 percent goal credit for that portion of the work performed by the DBE's own forces, including the cost of materials and supplies. Work that a DBE subcontracts to a non-DBE does not count toward the DBE goals.

(b) DBE as a joint venture Contractor: 100 percent goal credit for that portion of the total dollar value of the contract equal to the distinct, clearly defined portion of the work performed by the DBE's own forces.

(c) DBE as a subcontractor: 100 percent goal credit for the work of the subcontract performed by the DBE's own forces, including the cost of materials and supplies, excluding the purchase of materials and supplies or the lease of equipment by the DBE subcontractor from the Contractor or its affiliates. Work that a DBE subcontractor in turn subcontracts to a non-DBE does not count toward the DBE goal.

(d) DBE as a trucker: 100 percent goal credit for trucking participation provided the DBE is responsible for the management and supervision of the entire trucking operation for which it is responsible. At least one truck owned, operated, licensed, and insured by the DBE must be used on the contract. Credit will be given for the following:

(1) The DBE may lease trucks from another DBE firm, including an owner-operator who is certified as a DBE. The DBE who leases trucks from another DBE receives credit for the total value of the transportation services the lessee DBE provides on the contract.

(2) The DBE may also lease trucks from a non-DBE firm, including from an owner-operator. The DBE who leases trucks from a non-DBE is entitled to credit only for the fee or commission it receives as a result of the lease arrangement.

(e) DBE as a material supplier:

(1) 60 percent goal credit for the cost of the materials or supplies purchased from a DBE regular dealer.

(2) 100 percent goal credit for the cost of materials or supplies obtained from a DBE manufacturer.

(3) 100 percent credit for the value of reasonable fees and commissions for the procurement of materials and supplies if not a DBE regular dealer or DBE manufacturer.

CONTRACT COMPLIANCE. Compliance with this Special Provision is an essential part of the contract. The Department is prohibited by federal regulations from crediting the participation of a DBE included in the Utilization Plan toward either the contract goal or the Department's overall goal until the amount to be applied toward the goals has been paid to the DBE. The following administrative procedures and remedies govern the compliance by the Contractor with the contractual obligations established by the Utilization Plan. After approval of the Utilization Plan and award of the contract, the Utilization Plan and individual DBE Participation Statements become part of the contract. If the Contractor did not succeed in obtaining enough DBE participation to achieve the advertised contract goal, and the Utilization Plan was approved and contract awarded based upon a determination of good faith, the total dollar value of DBE work calculated in the approved Utilization Plan as a percentage of the awarded contract value shall become the amended contract goal. All work indicated for performance by an approved DBE shall be performed, managed, and supervised by the DBE executing the DBE Participation Commitment Statement.

(a) **NO AMENDMENT.** No amendment to the Utilization Plan may be made without prior written approval from the Department's Bureau of Small Business Enterprises. All requests for amendment to the Utilization Plan shall be emailed to the Department at DOT.DBE.UP@illinois.gov.

(b) CHANGES TO WORK. Any deviation from the DBE condition-of-award or contract plans, specifications, or special provisions must be approved, in writing, by the Department as provided elsewhere in the Contract. The Contractor shall notify affected DBEs in writing of any changes in the scope of work which result in a reduction in the dollar amount condition-of-award to the contract. Where the revision includes work committed to a new DBE subcontractor, not previously involved in the project, then a Request for Approval of Subcontractor, Department form BC 260A or AER 260A, must be signed and submitted. If the commitment of work is in the form of additional tasks assigned to an existing subcontract, a new Request for Approval of Subcontractor will not be required. However, the Contractor must document efforts to assure the existing DBE subcontractor is capable of performing the additional work and has agreed in writing to the change.

(c) SUBCONTRACT. The Contractor must provide copies of DBE subcontracts to the Department upon request. Subcontractors shall ensure that all lower tier subcontracts or agreements with DBEs to supply labor or materials be performed in accordance with this Special Provision.

(d) ALTERNATIVE WORK METHODS. In addition to the above requirements for reductions in the condition of award, additional requirements apply to the two cases of Contractor-initiated work substitution proposals. Where the contract allows alternate work methods which serve to delete or create underruns in condition of award DBE work, and the Contractor selects that alternate method or, where the Contractor proposes a substitute work method or material that serves to diminish or delete work committed to a DBE and replace it with other work, then the Contractor must demonstrate one of the following:

(1) The replacement work will be performed by the same DBE (as long as the DBE is certified in the respective item of work) in a modification of the condition of award; or

(2) The DBE is aware its work will be deleted or will experience underruns and has agreed in writing to the change. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so; or

(3) The DBE is not capable of performing the replacement work or has declined to perform the work at a reasonable competitive price. If this occurs, the Contractor shall substitute other work of equivalent value to a certified DBE or provide documentation of good faith efforts to do so.

(e) TERMINATION AND REPLACEMENT PROCEDURES. The Contractor shall not terminate or replace a DBE listed on the approved Utilization Plan, or perform with other forces work designated for a listed DBE except as provided in this Special Provision. The Contractor shall utilize the specific DBEs listed to perform the work and supply the materials for which each is listed unless the Contractor obtains the Department's written consent as provided in subsection (a) of this part. Unless Department consent is provided for termination of a DBE subcontractor, the Contractor shall not be entitled to any payment for work or material unless it is performed or supplied by the DBE in the Utilization Plan.

As stated above, the Contractor shall not terminate or replace a DBE subcontractor listed in the approved Utilization Plan without prior written consent. This includes, but is not limited to, instances in which the Contractor seeks to perform work originally designated for a DBE subcontractor with its own forces or those of an affiliate, a non-DBE firm, or with another DBE firm. Written consent will be granted only if the Bureau of Small Business Enterprises agrees, for reasons stated in its concurrence document, that the Contractor has good cause to terminate or replace the DBE firm. Before transmitting to the Bureau of Small Business Enterprises any request to terminate and/or substitute a DBE subcontractor, the Contractor shall give notice in writing to the DBE subcontractor, with a copy to the Bureau, of its intent to request to terminate and/or substitute, and the reason for the request. The Contractor shall give the DBE five days to respond to the Contractor's notice. The DBE so notified shall advise the Bureau and the Contractor of the reasons, if any, why it objects to the proposed termination of its subcontract and why the Bureau should not approve the Contractor's action. If required in a particular case as a matter of public necessity, the Bureau may provide a response period shorter than five days.

For purposes of this paragraph, good cause includes the following circumstances:

(1) The listed DBE subcontractor fails or refuses to execute a written contract;

(2) The listed DBE subcontractor fails or refuses to perform the work of its subcontract in a way consistent with normal industry standards. Provided, however, that good cause does not exist if the failure or refusal of the DBE subcontractor to perform its work on the subcontract results from the bad faith or discriminatory action of the Contractor;

(3) The listed DBE subcontractor fails or refuses to meet the Contractor's reasonable, nondiscriminatory bond requirements;

(4) The listed DBE subcontractor becomes bankrupt, insolvent, or exhibits credit unworthiness;

(5) The listed DBE subcontractor is ineligible to work on public works projects because of suspension and debarment proceedings pursuant 2 CFR Parts 180, 215 and 1200 or applicable state law.

(6) The Contractor has determined the listed DBE subcontractor is not a responsible contractor;

(7) The listed DBE subcontractor voluntarily withdraws from the projects and provides written notice to the Contractor of its withdrawal;

(8) The listed DBE is ineligible to receive DBE credit for the type of work required;

(9) A DBE owner dies or becomes disabled with the result that the listed DBE subcontractor is unable to complete its work on the contract;

(10) Other documented good cause that compels the termination of the DBE subcontractor. Provided, that good cause does not exist if the Contractor seeks to terminate a DBE it relied upon to obtain the contract so that the Contractor can self-perform the work for which the DBE contractor was engaged or so that the Contractor can substitute another DBE or non-DBE contractor after contract award.

When a DBE is terminated or fails to complete its work on the Contract for any reason, the Contractor shall make a good faith effort to find another DBE to substitute for the original DBE to perform at least the same amount of work under the contract as the terminated DBE to the extent needed to meet the established Contract goal. The good faith efforts shall be documented by the Contractor. If the Department requests documentation under this provision, the Contractor shall submit the documentation within seven days, which may be extended for an additional seven days if necessary at the request of the Contractor. The Department will provide a written determination to the Contractor stating whether or not good faith efforts have been demonstrated.

(f) **FINAL PAYMENT.** After the performance of the final item of work or delivery of material by a DBE and final payment therefore to the DBE by the Contractor, but not later than 30 calendar days after payment has been made by the Department to the Contractor for such work or material, the Contractor shall submit a DBE Payment Agreement on Department form SBE 2115 to the Resident Engineer. If full and final payment has not been made to the DBE, the DBE Payment Agreement shall indicate whether a disagreement as to the payment required exists between the Contractor and the DBE or if the Contractor believes the work has not been satisfactorily completed. If the Contractor does not have the full amount of work indicated in the Utilization Plan performed by the DBE companies indicated in the Utilization Plan and after good faith efforts are reviewed, the Department may deduct from contract payments to the Contractor the amount of the goal not achieved as liquidated and ascertained damages. The Contractor may request an administrative reconsideration of any amount deducted as damages pursuant to subsection (h) of this part.

(g) **ENFORCEMENT.** The Department reserves the right to withhold payment to the Contractor to enforce the provisions of this Special Provision. Final payment shall not be made on the contract until such time as the Contractor submits sufficient documentation demonstrating achievement of the goal in accordance with this Special Provision or after liquidated damages have been determined and collected.

(h) **RECONSIDERATION.** Notwithstanding any other provision of the contract, including but not limited to Article 109.09 of the Standard Specifications, the Contractor may request administrative reconsideration of a decision to deduct the amount of the goal not achieved as liquidated damages. A request to reconsider shall be delivered to the Contract Compliance Section and shall be handled and considered in the same manner as set forth in paragraph (c) of "Good Faith Effort Procedures" of this Special Provision, except a final decision that a good faith effort was not made during contract performance to achieve the goal agreed to in the Utilization Plan shall be the final administrative decision of the Department. The result of the reconsideration process is not administratively appealable to the U.S. Department of Transportation.

SPECIAL PROVISION FOR WEEKLY DBE TRUCKING REPORTS (BDE)

Effective: June 2, 2012
Revised: November 1, 2021

The Contractor shall submit a weekly report of Disadvantaged Business Enterprise (DBE) trucks hired by the Contractor or subcontractors (i.e. not owned by the Contractor or subcontractors) that are used for DBE goal credit.

The report shall be submitted to the Resident Engineer on Division of Aeronautics Form "AER 723" within ten business days following the reporting period. The reporting period shall be Sunday through Saturday for each week reportable trucking activities occur.

Any costs associated with providing weekly DBE trucking reports shall be considered as included in the contract unit prices bid for the various items of work involved and no additional compensation will be allowed.

SPECIAL PROVISION FOR SUBCONTRACTOR MOBILIZATION PAYMENTS

Effective: November 2, 2017
Revised: April 1, 2019

To account for the preparatory work and the operations necessary for the movement of subcontractor personnel, equipment, supplies, and incidentals to the project site and for all other work or operations that must be performed or costs incurred when beginning work approved for subcontracting according to Section 80-01 of the Standard Specifications, the Contractor shall make a mobilization payment to each subcontractor.

This mobilization payment shall be made at least seven days prior to the subcontractor starting work. The amount paid shall be at the following percentage of the amount of the subcontract reported on form AER 260A submitted for the approval of the subcontractor's work.

Value of Subcontract Reported on Form AER 260A	Mobilization Percentage
Less than \$10,000	25%
\$10,000 to less than \$20,000	20%
\$20,000 to less than \$40,000	18%
\$40,000 to less than \$60,000	16%
\$60,000 to less than \$80,000	14%
\$80,000 to less than \$100,000	12%
\$100,000 to less than \$250,000	10%
\$250,000 to less than \$500,000	9%
\$500,000 to \$750,000	8%
Over \$750,000	7%

The mobilization payment to the subcontractor is an advance payment of the reported amount of the subcontract and is not a payment in addition to the amount of the subcontract; therefore, the amount of the advance payment will be deducted from future progress payments.

This provision shall be incorporated directly or by reference into each subcontract approved by the Department.

SPECIAL PROVISION FOR PAYMENTS TO SUBCONTRACTORS

Effective: November 2, 2017

Federal regulations found at 49 CFR §26.29 mandate the Department to establish a contract clause to require Contractors to pay subcontractors for satisfactory performance of their subcontracts and to set the time for such payments.

State law also addresses the timing of payments to be made to subcontractors and material suppliers. Section 7 of the Prompt Payment Act, 30 ILCS 540/7, requires that when a Contractor receives any payment from the Department, the Contractor shall make corresponding, proportional payments to each subcontractor and material supplier performing work or supplying material within 15 calendar days after receipt of the Department payment. Section 7 of the Act further provides that interest in the amount of two percent per month, in addition to the payment due, shall be paid to any subcontractor or material supplier by the Contractor if the payment required by the Act is withheld or delayed without reasonable cause. The Act also

provides that the time for payment required and the calculation of any interest due applies to transactions between subcontractors and lower-tier subcontractors and material suppliers throughout the contracting chain.

This Special Provision establishes the required federal contract clause, and adopts the 15 calendar day requirement of the State Prompt Payment Act for purposes of compliance with the federal regulation regarding payments to subcontractors. This contract is subject to the following payment obligations.

When progress payments are made to the Contractor according to Article 90-07 of the Standard Specifications, the Contractor shall make a corresponding payment to each subcontractor and material supplier in proportion to the work satisfactorily completed by each subcontractor and for the material supplied to perform any work of the contract. The proportionate amount of partial payment due to each subcontractor and material supplier throughout the contracting chain shall be determined by the quantities measured or otherwise determined as eligible for payment by the Department and included in the progress payment to the Contractor. Subcontractors and material suppliers shall be paid by the Contractor within 15 calendar days after the receipt of payment from the Department. The Contractor shall not hold retainage from the subcontractors. These obligations shall also apply to any payments made by subcontractors and material suppliers to their subcontractors and material suppliers; and to all payments made to lower tier subcontractors and material suppliers throughout the contracting chain. Any payment or portion of a payment subject to this provision may only be withheld from the subcontractor or material supplier to whom it is due for reasonable cause. If reasonable cause is asserted, written notice shall be provided to the applicable subcontractor and/or material supplier and the Engineer within five days of the Contractor receiving payment. The written notice shall identify the contract number, the subcontract or material purchase agreement, a detailed reason for refusal, the value of payment being withheld, and the specific remedial actions required of the subcontractor and/or material supplier so that payment can be made.

This Special Provision does not create any rights in favor of any subcontractor or material supplier against the State or authorize any cause of action against the State on account of any payment, nonpayment, delayed payment, or interest claimed by application of the State Prompt Payment Act. The Department will not approve any delay or postponement of the 15 day requirement except for reasonable cause shown after notice and hearing pursuant to Section 7(b) of the State Prompt Payment Act. State law creates other and additional remedies available to any subcontractor or material supplier, regardless of tier, who has not been paid for work properly performed or material furnished. These remedies are a lien against public funds set forth in Section 23(c) of the Mechanics Lien Act, 770 ILCS 60/23(c), and a recovery on the Contractor's payment bond according to the Public Construction Bond Act, 30 ILCS 550.

SPECIAL PROVISION FOR SUBCONTRACTOR AND DBE PAYMENT REPORTING (BDE)

Effective: April 2, 2018

Subcontractor and Disadvantaged Business Enterprise Payment Reporting

The Contractor shall report all payments made to the following parties:

- (a) first tier subcontractors;
- (b) lower tier subcontractors affecting disadvantaged business enterprise (DBE) goal credit;
- (c) material suppliers or trucking firms that are part of the Contractor's submitted DBE utilization plan.

The report shall be made through the Department's on-line subcontractor payment reporting system within 21 days of making the payment.

SPECIAL PROVISION FOR NPDES CERTIFICATION

In accordance with the provisions of the Illinois Environmental Protection Act, the Illinois Pollution Control Board Rules and Regulations (35 Ill. Adm. Code, Subtitle C, Chapter I), and the Clean Water Act, and the regulations thereunder, this certification is required for all construction contracts that will result in the disturbance of one or more acres total land area.

The bidder certifies under penalty of law that he/she understands the terms and conditions of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR100000) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

The Airport Owner or its Agent will:

- 1) prepare, sign and submit the Notice of Intent (NOI)
- 2) conduct site inspections and complete and file the inspection reports
- 3) submit Incidence of Non-Compliance (ION) forms
- 4) submit Notice of Termination (NOT) form

Prior to the issuance of the Notice-to-Proceed, for each erosion control measure identified in the Storm Water Pollution Prevention Plan, the contractor or subcontractor responsible for the control measure(s) must sign the above certification (forms to be provided by the Department).

ILLINOIS WORKS APPRENTICESHIP INITIATIVE – STATE FUNDED CONTRACTS (BDE)

Effective: June 2, 2021

Revised: September 2, 2021

Illinois Works Jobs Program Act (30 ILCS 559/20-1 et seq.). For contracts having an awarded contract value of \$500,000 or more, the Contractor shall comply with the Illinois Works Apprenticeship Initiative (30 ILCS 559/20-20 to 20-25) and all applicable administrative rules. The goal of the Illinois Apprenticeship Works Initiative is that apprentices will perform either 10% of the total labor hours actually worked in each prevailing wage classification or 10% of the estimated labor hours in each prevailing wage classification, whichever is less. The Contractor may seek from the Department of

Commerce and Economic Opportunity (DCEO) a waiver or reduction of this goal in certain circumstances pursuant to 30 ILCS 559/20-20(b). The Contractor shall ensure compliance during the term of the contract and will be required to report on and certify its compliance. An apprentice use plan, apprentice hours, and a compliance certification shall be submitted to the Engineer on forms provided by the Department and/or DCEO.

REVISIONS TO THE ILLINOIS PREVAILING WAGE RATES

The Prevailing rates of wages are included in this Contract proposal. The rates have been ascertained and certified by the Illinois Department of Labor for the locality in which the work is to be performed and for each craft or type of work or mechanic needed to execute the work of the Contract. As required by Prevailing Wage Act ([820 ILCS](#) 130/0.01, et seq.) and this Proposal, not less than the rates of wages ascertained by the Illinois Department of Labor and as revised during the performance of a Contract shall be paid to all laborers, workers and mechanics performing work under the Contract. Post the scale of wages in a prominent and easily accessible place at the site of work.

If the Illinois Department of Labor revises the prevailing rates of wages to be paid as listed in the specification of rates, the contractor shall post the revised rates of wages and shall pay not less than the revised rates of wages. Current wage rate information shall be obtained by visiting the Illinois Department of Labor web site at <https://www2.illinois.gov/idol/Laws-Rules/CONMED/Pages/Rates.aspx> or by calling 312-793-2814. It is the responsibility of the contractor to review the rates applicable to the work of the contract at regular intervals in order to insure the timely payment of current rates. Provision of this information to the contractor by means of the Illinois Department of Labor web site satisfies the notification of revisions by the Department to the contractor pursuant to the Act, and the contractor agrees that no additional notice is required. The contractor shall notify each of its subcontractors of the revised rates of wages.

SECTION III
SPECIAL PROVISIONS
FOR
CONSTRUCT AIRPORT GENERAL AVIATION APRON AND ROADWAY

IL PROJ: UIN-5025
 LETTING DATE: JUNE 17, 2022
 CONTRACT NUMBER: QI065
 LETTING ITEM NUMBER: 06A

AT`

CITY OF QUINCY – QUINCY REGIONAL AIRPORT

QUINCY, ILLINOIS

APRIL 22, 2022

Prepared By:



CRAWFORD, MURPHY & TILLY
 Engineers & Consultants
 2750 West Washington Street
 Springfield, Illinois 62702



GENERAL

These Special Provisions, together with the Standard Specifications for Construction of Airports, Contract Requirements for Airport Improvement Projects, Rules and Regulations, Payroll Requirements and Minimum Wage Rates which are hereto attached or which by reference are herein incorporated, cover the requirements of the State of Illinois, Division of Aeronautics, and the representatives of the City of Quincy – Quincy Regional Airport for the construction of Airport General Aviation Apron and Roadway at Quincy Regional Airport, Quincy, Illinois.

GOVERNING SPECIFICATIONS AND RULES AND REGULATIONS

The “Standard Specifications for Construction of Airports”, State of Illinois, Department of Transportation, Division of Aeronautics, dated April 1, 2012, shall govern.

In the case of conflict with any part or parts of said specifications, the said Special Provisions shall take precedence and shall govern. Where noted within the Special Provisions, the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction dated January 1, 2022 shall apply. Where conflicts arise regarding contract documents versus IDOT Highway Standards and Standard Drawings, the contract documents shall govern.

The Standard Specifications can be obtained from the Illinois Department of Transportation, Division of Aeronautics website at [http://www.idot.illinois.gov/Assets/uploads/files/Doing-Business/Manuals-Guides-&-Handbooks/Aero/New%20Spec%20Book%20\(effective%204-1-2012\).pdf](http://www.idot.illinois.gov/Assets/uploads/files/Doing-Business/Manuals-Guides-&-Handbooks/Aero/New%20Spec%20Book%20(effective%204-1-2012).pdf) or from the Division.

INDEX TO SPECIAL PROVISIONS

<u>ITEM</u>	<u>DESCRIPTION</u>	<u>PAGE NUMBER</u>
DIVISION I – GENERAL PROVISIONS.....		4
SECTION 40 – SCOPE OF WORK		5
SECTION 50 – CONTROL OF WORK		7
SECTION 60 – CONTROL OF MATERIALS		12
SECTION 70 – LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC		13
SECTION 80 – PROSECUTION AND PROGRESS		17
DIVISION II – PAVING CONSTRUCTION DETAILS		20
ITEM 150510 – ENGINEER’S FIELD OFFICE		21
ITEM 150520 – MOBILIZATION		22
ITEM 152 - EXCAVATION AND EMBANKMENT		23
ITEM 156 – EROSION CONTROL		26
ITEM 156513 – SEPARATION FABRIC		28
ITEM 208 – AGGREGATE BASE COURSE		29
ITEM 209 – CRUSHED AGGREGATE BASE COURSE		30
ITEM 401 – BITUMINOUS SURFACE COURSE		31
ITEM 403 – BITUMINOUS BASE COURSE		33
ITEM 501 – PORTLAND CEMENT CONCRETE PAVEMENT		35
ITEM 602 – BITUMINOUS PRIME COAT		36
ITEM 603 – BITUMINOUS TACK COAT		37
ITEM 605 – JOINT SEALING FILLER		38
ITEM 610 - STRUCTURAL PORTLAND CEMENT CONCRETE		39
ITEM 620 – PAVEMENT MARKING		40
DIVISION III – FENCING (WIRE FENCES).....		43
ITEM 162 – CHAIN-LINK FENCES		44
DIVISION IV – DRAINAGE		45

ITEM 701 – PIPE FOR STORM SEWERS AND CULVERTS	46
ITEM 705 – PIPE UNDERDRAINS FOR AIRPORTS	48
ITEM 751 – MANHOLES, CATCH BASINS, INLETS AND INSPECTION HOLES.....	49
ITEM 752 – CONCRETE CULVERTS, HEADWALLS, AND MISC. DRAINAGE STRUCTURES	50
DIVISION V – TURFING	51
ITEM 901 – SEEDING	52
ITEM 904 – SODDING	53
ITEM 908 – MULCHING.....	54
DIVISION VI – LIGHTING INSTALLATION	55
ITEM 108 – INSTALLATION OF UNDERGROUND CABLE FOR AIRPORTS	56
ITEM 110 – INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCT	59
ITEM 125 – INSTALLATION OF AIRPORT LIGHTING SYSTEMS.....	60
SPECIAL PROVISIONS – MISCELLANEOUS.....	61
ITEM 760 – SITE WATER DISTRIBUTION	62
ITEM 770 – SANITARY SEWERAGE SYSTEM.....	69
ITEM 910 – SIGNAGE	74

APPENDIX

1.	Policy Memorandum 2001-1	A-1
2.	Policy Memorandum 96-1	A-2
3.	Policy Memorandum 97-2	A-3
4.	Illinois Department of Transportation SWPPP	A-4

DIVISION I – GENERAL PROVISIONS

SECTION 40 – SCOPE OF WORK

40-05 MAINTENANCE OF TRAFFIC

ADD:

The Contractor's activity on the airfield shall be limited to the limits of construction as identified on the construction activity plan drawings. Beyond the limits of construction, the Contractor shall not have access to any part of the active airfield pavement with any equipment or personnel without the approval of Airport Management.

The Contractor shall consult with the Airport Manager in arranging his construction operations. The Airport Manager will at all times have jurisdiction over the safety of air traffic during construction. Wherever the safety of air traffic during construction is affected, his decisions as to methods, procedures and measures used shall be final, and any and all Contractors performing work must be governed by said decisions.

The Contractor shall keep all haul roads utilized by his operations clean. All haul roads shall remain clear and unobstructed for use by Airport vehicles. The Contractor shall maintain these areas as required or as directed by the Airport Manager. Should the Contractor fail to respond to the Airport Manager's notification, the Division may suspend work until such time as the unsatisfactory condition is corrected.

The Airport Manager shall retain the authority to change the phasing of the work and/or the sequence of construction.

The Contractor shall not have access to any part of the active airfield (runway, taxiway or apron) for all equipment or personnel without the approval of the Resident Engineer.

The Contractor will erect signs stating "Authorized Personnel & Construction Access Only" at all gates or areas where they are gaining access to the airfield. These signs will be provided to help keep the public off the airfield. The Contractor shall provide and maintain construction entrance signage on all public use roads intended to be used by his operations as required by the City of Quincy, Adams County Highway Department and/or Illinois Department of Transportation. The Contractor shall be responsible for coordinating all hauling and access on City, Township, or county roads with the agency responsible for the roadway.

To maintain airport operations and to facilitate the construction of the proposed work, the project has been divided into separate phases in accordance with Advisory Circular 150/5370-2G Operational Safety on Airports During Construction. References to Construction Safety and Phasing Plans (CSPP) in that document shall be interpreted to mean the phase limits, barricade locations, access points and notes shown on the construction activity plan sheets included in the as-bid contract documents. When "safety" is used or referred to in the contract documents and in the advisory circular(s) it shall be redefined by this contract as meaning "operational safety". The Construction Operational Safety and Phasing Plan (CSPP) establishes the airport and project specific requirements, supplementing the requirements in the AC, that are to be included in the Contractor's bid for maintaining operational safety during construction.

The Construction Operational Safety and Phasing Plan (CSPP) contained herein has been approved by both the Airport and the FAA. The Contractor shall be required to divide the overall work into separate phases in substantial conformance with the CSPP shown in the plans, except as allowed by the contract documents and approved by the Division on behalf

of the FAA.

Ten (10) days prior to the Notice-To-Proceed, the Contractor shall submit a Safety Plan Compliance Document (SPCD) to the airport describing how he will comply with the requirements of the advisory circular plus the CSPP and supplying any details that could not be determined before contract award. The SPCD must include a certification statement by the Contractor that indicates he understands the operational safety requirements of the CSPP, that the Contractor has incorporated these requirements into their overall work plan and that the Contractor will maintain the right of control for all means, methods and details of the work performed by the Contractor and any of his subcontractors within the framework of the operational safety plan.

The Contractor shall be fully aware and continuously monitor all requirements and activities for compliance with the contract documents and Advisory Circular 150/5370-2F.

Ten (10) days prior to the commencement of each phase the Contractor shall submit an updated Safety Plan Compliance Document for that phase that meets the requirement of Advisory Circular 150/5370-2G. The updated Safety Plan Compliance Document(s) shall detail implementation of the construction haul routes, procedures utilized by the Contractor to eliminate conflicts between construction operations and aircraft traffic shall be included.

Significant Changes to the Construction Operational Safety and Phasing Plan (CSPP) may require aeronautical review by the Division through the FAA's OEAAA System. Modification of the Construction Operational Safety and Phasing Plan (CSPP) and/ or the critical points shown in the contract documents will require airspace approval from Division/ FAA and may require the Contractor to submit FAA Form 7460 for Approval.

SECTION 50 – CONTROL OF WORK

50-01 AUTHORITY OF THE ENGINEER

ADD: The Resident Engineer shall not be allowed to modify the contract documents without the approval of the Division.

50-04 COOPERATION OF CONTRACTOR

ADD: A weekly progress meeting shall be scheduled during construction to discuss work areas, scheduling, etc. The superintendent for the project, the subcontractor's foreman, and the Resident Engineer are required to attend this meeting. The Airport Management and the Division may attend the meeting. The work area access may require multiple Contractor activity on or crossing active airfield pavements. At each scheduled weekly meeting the Contractor shall provide detailed drawings showing daily closures for the next 10 days suitable to be provided to FAA- Air Traffic key tenants and users. Modifications to these daily closure drawings shall be closely coordinated with the Airport through the Resident Engineer and new drawings suitable for facsimile or email transmittal as a pdf provided to update key tenants of the upcoming work.

Escorts or flag persons in direct control of personnel, vehicles and equipment shall be required for all operations inside the AOA.

The completion of the individual phases/ pavement closures within the times specified or discussed at the weekly meetings is of extreme importance to the Airport. The Contractor shall update his progress schedule as required for the scheduled progress meetings. No additional compensation will be made for accelerated work to meet schedule and/or contract time. If the Contractor falls behind schedule for any reason, including weather delays, s/he shall work extra hours or add extra crews to attempt to complete the project within the original schedule milestones.

50-05 COOPERATION BETWEEN CONTRACTORS

ADD: Other contracts may be under construction concurrently resulting in more than one Contractor working on the Airport at the same time.

The Contractor shall plan and conduct his work so as not to interfere or hinder the progress or work being performed by other Contractors. The timely prosecution of the overall project is dependent upon the proper coordination between Contractors.

It is to be fully understood by the Contractor that the prosecution of the overall projects and the safety and convenience of the travelling public are the governing criteria for resolving conflicts which may arise between his schedule and the schedule of other Contractors. When conflicts arise, resolution of such conflicts will be made by the Airport Manager in the best interest of the Airport. Delays, changes in scheduling, or expedition of work under this contract to coordinate the timely prosecution of work will be considered incidental to the contract and no additional compensation will be allowed.

The Contractor shall acquaint himself with all ongoing contracts prior to bidding and shall cooperate with the Owner and any other Contractors who may be working on other contracts.

50-06 CONSTRUCTION LAYOUT STAKES

DELETE: The first paragraph.

ADD: As the first paragraph:

The Contractor will be required to furnish and place construction layout stakes for the project.

The Resident Engineer will locate and reference three (3) control points and will establish benchmarks along the line of the improvement outside the construction limits. The Contractor shall locate and reference the centerline of survey, which shall also consist of locating and referencing control points such as point of curvature, points of tangent, and sufficient points on tangent to provide a line of sight. Control points set by the Resident Engineer shall be identified in the field to the Contractor, and the field notes shall be kept in the office of the Resident Engineer.

RESPONSIBILITY OF THE RESIDENT ENGINEER

DELETE: Lines A & B.

ADD:

A. The Resident Engineer will locate and reference three (3) control points within the limits of the project.

B. Benchmarks will be established along the project outside of construction lines.

DELETE: Line D.

REVISE: Line E to read:

“The Resident Engineer may make random checks...”

DELETE: Line F.

DELETE: Line L.

ADD: As paragraph M:

M. It is not the responsibility of the Resident Engineer to check the correctness of the Contractor's stakes or forms, except as provided herein; however, any errors that are apparent shall be immediately called to the Contractor's attention, and he shall be required to make the necessary correction before the stakes are used for construction purposes.

RESPONSIBILITY OF THE CONTRACTOR

ADD:

H. The Contractor shall immediately notify the Resident Engineer of conflicts or discrepancies with the established control points.

I. Construction layout shall not be paid for separately but shall be considered incidental to the pay item for which the layout is required.

50-12 LOAD RESTRICTIONS

ADD:

Access to the construction work area is limited to the haul routes as shown on the site plan and construction activity plan drawings. The use of existing airfield pavements by the Contractor construction traffic, including all haul traffic, is limited to the hauling routes as shown on the site plan and construction activity plan drawings. Use of existing airfield pavement other than as shown on the site plan and construction activity plan drawings is prohibited. Any damage to existing airfield pavement due to construction traffic operating beyond the approved work limits, hauling outside of the approved haul/access routes and construction traffic operating in prohibited areas shall be repaired by the Contractor at his own expense to the satisfaction of the Owner.

If it is found the fully loaded delivery trucks are excessively damaging the Airport or local roadway pavement, the Contractor shall limit the weight of the material being hauled onto the site. The Resident Engineer shall determine what is considered excessive damage. No payments will be made for additional hauling that may be required due to load restrictions.

The Contractor shall coordinate construction hauling, construction access and load restrictions with the local jurisdiction responsible for that roadway i.e. County Superintendent of Highways and/or the Township Road Commissioner and the City of Quincy as required. The Contractor shall be responsible for damage to any airfield pavement or public road caused by his construction operations. Any damage to existing airfield pavements or public roads shall be replaced by the Contractor at his own expense to the satisfaction of the Owner.

Prior to construction, the Contractor shall enter into a road use agreement with the road district of Adams County, Illinois.

50-13 MAINTENANCE DURING CONSTRUCTION

ADD:

Material tracked onto public use roads shall be removed continuously during the work.

The Contractor shall make provisions in the work to maintain positive drainage from the work areas and to minimize the ponding of water. In areas where the Contractor is required to core out or remove pavements the Contractor shall cut temporary ditches or swales to maintain positive drainage. At locations where temporary ditches are not feasible, the Contractor shall excavate stormwater storage areas adjacent to but at a lower elevation than the bottom of the work and utilize mechanical pumps to promptly remove stormwater from the excavations.

All existing pavement areas that are to remain open to aircraft traffic shall be kept clean to the satisfaction of Airport Operations and the Resident Engineer. At the request of the Resident Engineer or of the Airport, the Contractor shall provide a self-propelled, vacuum or regenerative (recirculating) air pavement sweeper, a pavement blower or tractor mounted "sweeper box". At a minimum, a pavement blower shall be kept on site at all times.

No material capable of being blown onto airfield pavement will be allowed to be stored uncovered anywhere within the fence line, at any time during construction.

50-16 FINAL INSPECTION

DELETE: The first sentence of the first paragraph.

ADD: As the first sentence of the first paragraph.

Upon due notice to the Resident Engineer from the Contractor of presumptive completion of the entire project, the charging of Contract Time shall be suspended, and the Engineer will make an inspection.

ADD: After the first sentence of the second paragraph:

The charging of Contract Time shall resume on the day following the inspection and shall continue until the remaining work, including the applicable requirements of Section 40-08, Final Clean-up, is completed to the Engineer's satisfaction.

50-18 PLANS AND WORK DRAWINGS

ADD: After the third paragraph:

Submittals shall include items such as: Contractor's, manufacturer's, or fabricator's drawings; descriptive literature including (but not limited to) catalog cuts, diagrams, operating charts or curves; test reports; samples; O&M manuals (including parts list); certifications; warranties; and other such required submittals.

Prior to submission, the Contractor shall review all shop drawing submittals for accuracy, completeness, and compliance with the contract requirements. The Contractor shall stamp, sign and date each submittal indicating Contractor approval of the submittal.

When submittals require close coordination of a number of products, the Contractor shall coordinate a concurrent submittal of all such products. The Project Engineer may withhold action on a submittal requiring coordination with other submittals until all related submittals are received.

Each submittal shall be complete and in sufficient detail to allow ready determination of compliance with contract requirements. Any deviation from contract requirements shall be clearly identified on the shop drawing submittal and supporting documentation for such deviation shall be attached. The Project Engineer reserves the right to rescind inadvertent acceptance of submittals containing unidentified deviations.

REVISE: The second sentence of the seventh paragraph to read as follows:

Such review will not relieve the Contractor of the responsibility for complying with the contract document requirements or for any error that may exist in the submittal. The Contractor is responsible for the dimensions and designs of adequate connections, detail and satisfactory construction of all work.

EDIT: Information to be included on shop drawing submittals shall conform to the following:

- PROJECT LOCATION:** **City of Quincy – Quincy Regional Airport**

- PROJECT TITLE:** **Construct Airport General Aviation Aircraft Apron and Roadway**

- PROJECT NUMBERS:** **Illinois Project: UIN-5025**

CONTRACT ITEM: (Pay Item Name & Number)
i.e.: AR125565 Splice Can

SUBMITTED BY: (Contractor/Subcontractor Name)

DATE: (Date of Submittal)

This information shall be included on each page of each submittal.

ADD: The Project Engineer shall return incomplete or vague material shop drawing submittals for completion prior to review.

The Project Engineer will review each submittal; mark corrections or modifications required and return it to the Contractor. The Project Engineer will stamp each submittal with an action stamp and will mark the stamp appropriately to indicate action taken as follows. Submittals marked "Resubmit with Corrections" or "Rejected" shall not be used at the project site. **All submittals must ultimately receive "No Exceptions Taken" stamp from the Project Engineer to be eligible for payment.** Submittals stamped "Exceptions Taken as Noted" are **not** considered approved shop drawings.

1. "No Exceptions Taken": Means fabrication/installation may be undertaken. Submittals stamped as such do not authorize changes to the contract price or time.
2. "Exceptions Taken as Noted": Same as "No Exceptions Taken" provided the Contractor complies with the corrections noted on the submittal by the Engineer. The Contractor is still obligated to resubmit the submittal including the corrections made by the Engineer so ultimately a shop drawing stamped "No Exceptions Taken" may be forwarded to the Division. Submittals not stamped Approved are not considered approved shop drawings.
3. "Resubmit with Corrections": Fabrication and/or installation MAY NOT be undertaken. Make appropriate revisions and resubmit limiting corrections to items marked.

SECTION 60 – CONTROL OF MATERIALS

60-01 SOURCE OF SUPPLY AND QUALITY REQUIREMENTS

REVISE: The first sentence of the third paragraph as follows:

“ . . . shall provide, upon **prior** to delivery, . . . ”

60-11 CERTIFICATION OF MATERIALS SUPPLIED TO THE CONTRACT

ADD:

The Contractor shall certify all materials contained in the contract. Certification documentation shall be submitted to the Resident Engineer. It shall be the sole responsibility of the Contractor to ensure the delivery of adequate and accurate documentation prior to the delivery of materials. Materials incorporated into this project without the prior approval of the Resident Engineer will not be recommended for payment.

As a guide to the certification process and requirements, the Contractor shall use the Illinois Department of Transportation/Division of Aeronautics MANUAL FOR DOCUMENTATION OF AIRPORT MATERIALS (latest edition). Copies of this manual are available from the Illinois Division of Aeronautics. The MANUAL FOR DOCUMENTATION OF AIRPORT MATERIALS defines the Resident Engineer's/Contractor's responsibilities (Sections 300/400). The Contractor shall have the sole responsibility to provide the Engineer with appropriate documentation to satisfy the contract certification requirements prior to the delivery of materials.

The cost of providing the required material documentation and certifications shall not be paid for separately but shall be considered incidental to the associated item.

All sheets of all submittals shall contain the following information:

PROJECT LOCATION:	City of Quincy – Quincy Regional Airport
PROJECT TITLE:	CONSTRUCT AIRPORT GENERAL AVIATION AIRCRAFT APRON AND ROADWAY
PROJECT NUMBERS:	Illinois Project: UIN-5025
CONTRACT ITEM:	(i.e., AR125565 – Splice Can)
SUBMITTED BY:	(Contractor/Subcontractor Name)
DATE:	(Date of Submittal)

If the Division of Aeronautics requires additional documentation, they shall request it through the Resident Engineer.

SECTION 70 – LEGAL RELATIONS AND RESPONSIBILITY TO PUBLIC

70-10 BARRICADES, WARNING SIGNS & HAZARD MARKERS

ADD: After the second paragraph:

The Contractor shall provide and install any warning signs (trucks entering highway, etc.) and provide flagman as required by the agency responsible for public roadway jurisdiction i.e. City of Quincy, Adams County Highway Department and/or Illinois Department of Transportation. Any cost for signage or traffic control shall be borne by the Contractor.

Low profile beam barricades as approved by the FAA shall be provided per the details in the plan sheets. The barricades shall be lighted with steady burn omni-directional red lights. The barricades shall be sufficiently weighted with sandbags or other appropriate method to withstand high winds or jet blast without dislocation. The barricades must be of low mass and easily collapsible upon contact with an aircraft.

The Contractor shall be responsible for supplying, maintaining and any moving of all barricades. Lights shall be maintained in proper working order. No separate payment will be made for supplying, maintaining and moving barricades but shall be considered incidental to the contract.

The Contractor shall be required to provide a 24-hour phone number for emergency barricade and barricade lighting maintenance.

Contractor identification shall be displayed on both sides of all Contractor vehicles by labeling painted on the vehicles or by magnetically attached signs.

70-13 RESPONSIBILITY FOR DAMAGE CLAIMS

REVISE: In the second sentence of the first paragraph, change the word “inspection” to “observation”.

REVISE: In the last sentence of the fourth paragraph, change the word “inspection” to “observation”.

70-17 CONTRACTOR'S RESPONSIBILITY FOR UTILITY SERVICE AND FACILITIES OF OTHERS

REVISE: The second paragraph as follows:

“ . . . , the approximate locations and owners have been indicated on the plans.”

DELETE: “Person to Contact” table after the second paragraph.

ADD: After the second paragraph:

Maintenance of Airport Systems are critical to the operation of the Airport and the safety and/ or security of the traveling public. Prior to beginning work the Contractor shall investigate existing systems which may be located within the work area and locate all existing utilities. The Contractor may seek assistance from the JULIE, Engineer, Resident Engineer, Airport and FAA with locating utilities but the final responsibility for all utility locates lies solely with the Contractor. If the Contractor’s investigation reveals that a utility must be relocated to allow for the performance of the work in the plans, the Contractor shall immediately notify the Resident Engineer and remain clear of the utility until resolution has

been determined by the Division and the Airport. Any system, including but not limited to systems associated with security, air navigation, weather, airfield lighting damaged by the Contractor's operations shall be immediately repaired to the satisfaction of the owner. No delay shall be taken in the repair of the damaged facility. The Contractor shall not be allowed to finish work for the day until the utility has been repaired.

The Contractor shall be responsible for locating Airport owned utilities. The following table includes contact numbers that may provide assistance for locating cable. The personnel listed in the table are in no way responsible for damage to existing utilities.

If, in the Contractor's opinion, additional assistance is needed to locate the utility service or facility, the Contractor shall enlist the assistance of a qualified technician or professional utility location firm to accurately locate underground utilities or facilities prior to excavation. Prior to commencing this detailed location work in the general vicinity of an existing utility service or facility, the Contractor shall again notify each such owner of his/her plan of operation and request the presence of a representative of the owner to observe the work. Such notification shall be given by the most expeditious means to reach the utility owner's PERSON TO CONTACT no later than two normal business days prior to the Contractor's commencement of operations in such general vicinity. The Contractor shall furnish a written summary of the notification to the Engineer.

Only after the investigation has been made should the Contractor begin excavation operations. Upon beginning these operations, the Contractor shall use extreme caution in the methods utilized. The Contractor shall utilize exploratory trenching or small tool excavation practices when beginning operations in critical areas to verify that the utilities are clear of the area of interest or to verify the location and depth of these facilities.

Should any utilities or cables require location, the following people shall be contacted:

City of Quincy – Quincy Regional Airport

Utility Service or Facility	Person to Contact	Contact Phone
Airfield Lighting Cables	Airport Maintenance	217-885-3285
FAA Control and Communications Cable	Tom Shelton	217-523-8700
Sanitary Sewer	J.U.L.I.E.	800-892-0123
Electric Cables	J.U.L.I.E.	1-800-892-0123
Water	J.U.L.I.E.	800-892-0123
Telephone Cables	J.U.L.I.E.	800-892-0123
Gas Lines	J.U.L.I.E.	800-892-0123
Airport Utilities	Airport Maintenance	217-885-3285

Any utility damaged by the Contractor shall be repaired by the Contractor to the satisfaction of the Owner and shall be at the cost of the Contractor. In the event that an existing utility is damaged during construction, all other work on the project shall be suspended until the utility is repaired. No additional time will be awarded to the Contractor for delays in the project due to damaged utilities. It is a high priority to the airport that all existing Airport utilities, unless otherwise noted in the plans, remain in good working condition throughout the duration of the project.

Special care shall be taken on all operations and particularly near pavement edges to avoid damage to edge lights and all underground electrical cable on the airport. The approximate location of existing underground cable is shown on drawings. Any airfield lights or cable that are broken and require replacement because of the Contractor's operations will be replaced by the Contractor at his/her own expense.

Any airfield cable repairs or replacement to any part of the electrical system made necessary by the Contractor's operations will be made by him/her in the manner specified in Sections 108 and 125 at no cost to the Airport. Cost of replacement to be borne by the Contractor shall include any expense incurred in locating as well as repairing or replacing damaged parts of the system by the owning agency.

70-26 CONTRACTOR'S RESPONSIBILITY FOR SAFETY DURING CONSTRUCTION

ADD: At the end of this section:

- E. Provide a safety officer/construction inspector(s) trained in airport safety to monitor construction activities and provide radio control.
- F. Restrict movement of construction vehicles to construction areas with flagging and barricading, erecting temporary fencing, or providing escorts, as appropriate or as shown in plans.
- G. Ensure that no construction employees, employees of subcontractors or suppliers, or other persons enter any part of the aircraft operations area from construction site unless authorized.
- H. Review the requirements in AC 150/5370-2 (current edition) and comply with items listed as Contractor's responsibility.
- I. Implement a SPCD as required in AC 150/5370-2 (current edition) and ensure that construction personnel are familiar with operational safety procedures and regulations on the Airport.
- J. Provide a 24 hour point of contact that will coordinate an immediate response to correct any construction-related activity that may adversely affect the operational safety of the Airport.
- K. Provide a safety officer/construction inspector(s) trained in airport safety to maintain the SPCD and to monitor all construction activities.
- L. Restrict movement of construction vehicles to construction areas as flagging and barricading, erecting temporary fencing, or providing escorts, as appropriate.

- M. Ensure that no construction employees, employees of subcontractors or suppliers, or other persons enter any part of the aircraft operations area from construction site unless authorized.

SECTION 80 – PROSECUTION AND PROGRESS

80-05 **LIMITATION OF OPERATIONS**

ADD: A minimum distance of 93' shall be maintained between construction operations and the centerline of all active taxiways and taxilanes and 250' from centerline of active runways. These limits constitute the Taxiway Object Free Area for ADG III taxiways and Runway Safety Area for AAC C runways. If work occurs within these limits, the Contractor shall coordinate closures of the Taxiway/Runway with the Airport prior to the work commencing within those limits.

It is intended to plan, conduct, and complete the work in these critical traffic areas in such a manner that the length and amount of interruption to aircraft traffic at the Airport is minimized.

The Contractor shall comply with Federal Aviation Regulations Part 107 (Airport Security), Federal Air Regulation 139 (Airport Certification), and with all rules and regulations of the Airport, including, but not limited to, control and access to the airfield by Contractor's, employees and agents. In the event the Authority is assessed a fine by the Federal Aviation Administration for breach of security resulting from actions of Contractor's employees and agents, the Contractor shall fully reimburse the Authority for the amount of such fine in the form of additional rents.

80-08 **DETERMINATION AND EXTENSION OF CONTRACT TIME**

ADD: After the fourth paragraph:

The Engineer will make charges against Contract Time after the presumptive completion of the entire project as provided for in Section 50-16, Final Inspection.

ADD: After the last paragraph of this section:

For this project, the following number of calendar days available for work per month has been assumed to be:

<u>Month</u>	<u>Workable Calendar Days</u>
January	0
February	0
March	0
April	0
May	15
June	17
July	17
August	17
September	16
October	16
November	14
December	0

For an extension of contract time due to inclement weather to be considered, the actual total number of calendar days available for work on controlling items must be less than the total number of workable calendar days assumed for the duration of the contract.

Requests for extension of contract time on calendar day projects caused by inclement weather, shall, as a minimum, be supported with National Weather Bureau data and project diaries. Requests for extension of contract time due to inclement weather will not be considered until after final acceptance.

As part of the request for contract time extension review, consideration may be given to how timely the Contractor prosecuted the work up to the point of the delays and the efforts by the Contractor to get back on schedule including the addition of labor or equipment and the extension of work hours and work days.

No allowance will be made for anticipated profits.

During the weekly progress meetings, the production rates of the Contractor will be analyzed. If it is determined by those in attendance that generally and reasonably the work has fallen behind schedule or will not be completed under normal circumstances in the specified time frames, the Contractor will be required to increase his forces and/or extend working hours per day. During runway closures, the Contractor shall have provisions set forth to work up to 16 hours a day.

If runway closures exceed the specified time frame set forth in the plan sheets, the Contractor shall owe damages to the State.

For example, a ten (10) day runway closure shall be considered from 6:00AM on the first closure day to 6:00AM on the eleventh calendar day after that. This means that at 6:01AM on that eleventh calendar day after the closure start, the runway will be completely available for unimpeded usage at full capacity.

80-13

CONTRACTOR'S ACCESS TO AIRFIELD

ADD:

The Contractor activity on the airfield shall be limited to the limits of construction identified on the construction activity plan and site plan drawings. Beyond the limits of construction, the Contractor shall not have access to any part of the active airfield pavements (runways, taxiways or aprons) with any equipment or by personnel without the approval of the Airport management.

Lack of adequate access to the site will not be an allowable consideration for an extension of time.

ADD:

The location of an area for parking by the Contractor's employees shall be as shown on the plans or as agreed to at the preconstruction meeting.

Use of personal vehicles beyond the staging area will not be allowed.

ADD:

The Contractor shall submit a 10-year background and employment check on the superintendent and supervising foremen and complete a security form for all personnel he proposes to use on the Airport. Key personnel shall be required to be fingerprinted and attend training provided by the Airport. These forms/ training shall be completed prior to that person being issued an identification badge and allowed on the airfield. The Superintendent and foreman that are issued badges shall be directly responsible for the

identity and location of those they are supervising while on the airfield. Sufficient personnel shall be badged to maintain continuous responsible control of all personnel, vehicles and equipment inside the AOA. Badges shall be returned to the Airport once the project is complete or the person is no longer employed by the Contractor.

80-14 SECURITY DURING CONSTRUCTION

The Contractor shall maintain security on the Airport as specified or as directed by Airport Management.

The Contractor shall be responsible for security during construction as follows:

- (1) Possess a copy of the Airport's project security plan.
- (2) Comply with the Airport's security plan associated with the construction project and ensure that construction personnel are familiar with security procedures and regulations on the Airport.
- (3) Provide a point of contact that will coordinate an immediate response to correct any construction-related activity that may adversely affect the operational security of the Airport.
- (4) Restrict movement of construction vehicles to construction areas as flagging and barricading, erecting temporary fencing, or providing escorts, as appropriate or as shown in plans.
- (5) Ensure that no construction employees, employees of subcontractors or suppliers, or other persons enter any part of the aircraft operations area from construction site unless authorized.

The Contractor's Superintendent, Foremen, Security Guards, Flagmen, and any other employee directed by the Airport Manager, must display a current photo I.D. badge, issued by the Airport. The Contractor shall provide sufficient badged supervisory personnel to maintain direct control of all employees and subcontractor personnel working on the airfield. To obtain the photo I.D. badge for any of the Contractor's employees, the following is required:

- (1) The employee must attend an Airport Safety and Security Training Session.

In addition, the Airport Manager may require that all Security Guards undergo additional training necessary to meet the Airport's security needs.

The Contractor is responsible for payment of Federal Aviation Administration fines and penalties resulting from security infractions and perpetrated or caused by his personnel or work forces of his subcontractors or suppliers.

All costs relating to Contractor's security shall be the responsibility of the Contractor.

DIVISION II – PAVING CONSTRUCTION DETAILS

EARTHWORK

ITEM 150510 – ENGINEER’S FIELD OFFICE

CONSTRUCTION METHODS

150-2.1

ADD:

- N. A phone line dedicated for high-speed access to the internet by the Resident Engineer’s field computer shall be made available in addition to the phone lines dedicated for the telephone and facsimile machine. A total of three phone lines are required.
- O. In lieu of the items listed in I. and J., the Contractor shall supply a combination printer capable of copying and scanning documents (11"x17"). Equipment provided shall meet the approval of the Resident Engineer.

150-2.2

ADD:

In the event a sufficient number of phone lines are unavailable at the location of the Resident Engineer’s Field Office as detailed in section 2.1, the Contractor shall supply an alternate means of access to the internet. Possible solutions are wireless network cards installed in the Resident Engineer’s field computer or wireless phones capable of supplying access to the internet via a connection to the Resident Engineer’s field computer. The Contractor shall determine the alternate most suitable to the needs of the Engineer and they shall agree to the final method. The internet access shall be made available for as long as the Resident Engineer’s Field Office is on site. No extra payment shall be made to the Contractor for this service.

BASIS OF PAYMENT

Payment will be made under:

Item AR150510 – Engineer’s Field Office – per lump sum.

ITEM 150520 – MOBILIZATION

DESCRIPTION

ADD: Construction Access shall consist of the installation, maintenance, and post-construction restoration of haul roads and staging & storage areas.

METHOD OF MEASUREMENT

BASIS OF PAYMENT

Payment will be made under:

Item AR150520 – Mobilization – per lump sum.

Item AR150550 – Construction Access – per lump sum

ITEM 152 - EXCAVATION AND EMBANKMENT

DESCRIPTION

152-1.1 ADD: The Contractor shall be exposing, maintaining and preparing existing subgrade, base or subbase and grading in various locations as a part of this project. Specifically, this item shall consist of the excavation, grading, shoulder construction and compacting to construct the subgrade below the pavement structure.

152-1.2 CLASSIFICATION

ADD: "Topsoil Stripping" shall consist of stripping the existing topsoil below the proposed embankments or the proposed airfield, roadway and shoulder pavements. For the purposes of this specification, topsoil shall consist of the material containing brush, sods, grass, decayed vegetable matter, or vegetation approximately four inches (4") in depth. Topsoil stripping shall not be measured separately for payment but shall be considered incidental to the excavation.

DELETE: The second, third and fourth paragraphs.

ADD: Where specified, individual requirements, methods and procedures specified for areas of existing subgrades, aggregate base or subbase in the pavement removal areas on the Taxiway removals specified under the pavement removal items shall take precedence over similar requirements in this specification.

ADD:

152-1.3 SUBGRADE REPAIR

Subgrade repair shall consist of the removal and replacement of unsuitable subgrade soils in accordance with the plans.

CONSTRUCTION METHODS

152-2.1 GENERAL

DELETE: The fourth sentence in the first paragraph.

ADD: The Resident Engineer shall determine the suitability of material to be placed in embankments.

152-2.2 EXCAVATION

ADD: After the first paragraph:

ADD: The Contractor shall make provisions in the work to maintain positive drainage from the work areas and to minimize the ponding of water. In areas where the Contractor is required to core out or remove pavements the Contractor shall cut temporary ditches or swales to maintain positive drainage. At locations where temporary ditches are not feasible, the Contractor shall excavate stormwater storage areas adjacent to but at a lower elevation than the bottom of the work and utilize mechanical pumps to promptly remove stormwater from the excavations.

REVISE: The ninth paragraph as follows:
"In cut areas, the top 8" of subgrade . . ."

152-2.3 BORROW EXCAVATION

DELETE: This section.

152-2.5 PREPARATION OF EMBANKMENT AREA

ADD: After the first paragraph:

Prior to placing embankment for new pavements, the topsoil as defined in Section 152-1.2 shall be stripped and stockpiled for future use.

Compressible and/or organic materials shall be removed down to dense material as directed by the Resident Engineer and replaced with suitable embankment material.

Materials excavated during the stripping process shall not be utilized as embankment under the proposed or future pavements.

Materials excavated during the stripping process shall be stockpiled at a location designated by the Contractor and approved by the Resident Engineer outside of the grading limits and allowed to decay. Upon completion of the earthwork, this material shall be incorporated as directed in Item 905 over the disturbed surface. Excavation, stockpiling and incorporation of this material shall not be measured for payment but shall be considered incidental to Item 152.

152-2.6 FORMATION OF EMBANKMENTS

ADD: Incidental grading associated with the pavement removals or pavement repairs shall not be measured for payment under unclassified excavation or shoulder adjustment.

152-2.10 TOPSOIL

DELETE: The first sentence in the first paragraph.

ADD: Prior to grading operations, the existing topsoil shall be stripped and stockpiled outside the grading limits. Upon completion of the excavation and embankment operations, the stockpiled topsoil shall be evenly distributed over the surface of all disturbed areas to promote the growth of turf.

Topsoil stripping, stockpiling and replacement shall be considered incidental to Unclassified Excavation.

ADD:

152-2.15 DUST CONTROL WATERING

This work shall consist exclusively of applying water to control dust resulting from construction operations and is not intended for use in compaction of earth embankment. The Contractor shall take measures to control dust.

Dust shall be controlled by a uniform application of sprinkled water and shall be applied as directed by the Resident Engineer or Airport, in a manner meeting their approval.

Dust control watering shall not be paid for separately, but shall be considered incidental to the item requiring the dust control.

152-2.16 SUBGRADE REPAIR

The Contractor shall identify any unsuitable subgrade areas by applying a loaded tandem to the existing aggregate surface. The Contractor shall perform the proof rolling process in the presence of the Resident Engineer. Unsuitable areas as identified by the Resident Engineer shall be excavated and repaired in accordance with the plans.

METHOD OF MEASUREMENT

152-3.1 ADD: Dust control watering will not be measured for payment but shall be considered incidental to the contract items for which dust control is required.

No separate measurement will be made for the volume of topsoil excavated or the volume of embankment required to fill the void left by the topsoil excavation.

ADD:

152-3.4 Subgrade Repair measured for payment shall be the number of square yards of the repair area.

BASIS OF PAYMENT

152-4.1 ADD: Payment will be made at the contract unit price per cubic yard for "Unclassified Excavation." Separate payment will not be made for topsoil versus other embankment materials

Only the areas listed for payment in this specification shall be considered under this item. Other areas requiring excavation, spreading or compaction of earth, subbase or base materials shall be paid for as specified elsewhere or shall be considered incidental to the pavement removal item.

These prices shall be full compensation for all scarification, excavation, off site removal, hauling, grading, final shaping, top soiling, and compacting necessary to construct the proposed embankments in conformance with the lines and grades shown in the plans, and for all labor, equipment, tools and incidentals necessary to complete this item.

152-4.8 ADD: Payment shall be made at the contract unit price per square yard for "Subgrade Repair." This price shall be full compensation for excavation and replacement of unsuitable material in accordance with the plans.

Payment will be made under:

Item AR152410 – Unclassified Excavation – per cubic yard.

Item AR152511 – Subgrade Repair – per square yard

ITEM 156 – EROSION CONTROL

DESCRIPTION

156-1.1

DELETE: This section

ADD: The work area is under the jurisdiction of both IEPA and the City of Quincy as it relates to stormwater permitting and stormwater runoff issues. The Contractor will be responsible for maintaining the work area in conformance with the requirements of the permits and the project SWPPP. The Contractor shall execute the SWPPP as provided in the appendix of this document. This work shall consist of constructing temporary and permanent erosion control systems as required to maintain the permit requirements during the life of the contract to control erosion and sediment damage to the adjacent properties and water resources through the use of ditch checks, inlet sedimentation control, erosion control silt filter fence, and rip rap.

The incorporation of additional erosion control measures will require coordination with the Division. The Contractor should prepare a revised erosion control plan for submittal at the pre-construction conference if additional controls are required. Prior to initiating work at the site the Contractor shall execute the SWPPP and initial the final plan sheets showing the erosion control. It is the sole responsibility of the Contractor to maintain his operations and the impacted work areas in conformance with the permits. This includes monitoring of the site, documentation of monitoring and maintenance of the SWPPP documentation on site.

As part of this item, the Contractor shall be required to comply with the requirements of the National Pollutant Discharge Elimination System (NPDES) Storm Water Permit for construction site activities. Information on the above-referenced permits may be obtained from:

Illinois Environmental Protection Agency
Division of Water Pollution Control
1021 North Grand Avenue East
Springfield, Illinois 62702

Contractor's temporary control should include work outside the construction limits such as borrow area operations, equipment and material storage sites, waste areas, and temporary plant sites.

If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 50-18, 60-01, 60-03 and 60-11 of the Standard and Special Provisions, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

METHOD OF MEASUREMENT

BASIS OF PAYMENT

156- 5.1 ADD: Payment for erosion control shall be made at the contract unit price for items installed in accordance with the plans.

Payment will be made under:

Item AR156510 Silt Fence Installation and Removal – per linear foot

**SPECIAL PROVISIONS
QUINCY REGIONAL AIRPORT
QUINCY, ILLINOIS**

**ILLINOIS PROJECT: UIN-5025
CONSTRUCT GA APRON & ROADWAY**

Item AR156511	Ditch Check – per linear foot
Item AR156520	Inlet Protection – per each
Item AR156530	Temporary Seeding – per acre

ITEM 156513 – SEPARATION FABRIC

BASIS OF PAYMENT

ADD:

156-2.2

Payment will be made under:

Item AR156513 – Separation Fabric – per square yard

FLEXIBLE BASE COURSES

ITEM 208 – AGGREGATE BASE COURSE

208 DELETE: The entire specification section.

ADD:

This item shall consist of the aggregate base for the landside pavements.

Aggregate Base Course shall be as indicated in the plans and in conformance with the requirements of Section 351 Type A of the Illinois Department of Transportation Standard Specifications for Road and Bridge Construction Adopted January 1, 2022

Payment will be made at the contract unit price per square yard for Aggregate Base Course.

Payment will be made under:

Item AR208609

9" Aggregate Base Course – per square yard

ITEM 209 – CRUSHED AGGREGATE BASE COURSE

MATERIALS

209-2.1 ADD:

Table 1, Gradation B or C shall be used.

CONSTRUCTION METHODS

209-3.3 PLACING AND SPREADING

DELETE: The second sentence of the first paragraph.

209-3.4 ADD: After the first paragraph:

Aircraft weighing less than 60,000 pounds – (ASTM D698) shall apply for all locations.

209-3.7 SURFACE GRADE ACCURACY

REVISE: To read as follows:

“.....shall not vary by more than 3/8 inch from the surface elevations.....”

METHOD OF MEASUREMENT

209-4.1 DELETE: This section.

209-4.3 DELETE: This section.

BASIS OF PAYMENT

209-5.1 DELETE: This paragraph.

ADD:

Payment will be made under:

AR209606 – Crushed Aggregate Base Course – 6” – per square yard

AS209606 - Crushed Aggregate Base Course – 6” – per square yard

FLEXIBLE SURFACE COURSES

ITEM 401 – BITUMINOUS SURFACE COURSE (Central Plant Hot Mix)

DESCRIPTION

401 DELETE: The entire specification section.

ADD: Provide Bituminous Surface Course as hot mix asphalt (HMA) pavement consisting of Surface Course on a HMA binder course in accordance with Article 406 of the Standard Specifications for Road and Bridge Construction, January 1, 2022, Illinois Department of Transportation (IDOT) herein noted as the Standard Specifications.

MATERIALS

ADD: HMA Surface Course in accordance with Article 406.02 – PG 64-22, 4.0 % Voids N-50 IL 9.5, Mix “C” (for compacted lift thickness 1 1/4” to 2 1/4”).

CONSTRUCTION METHODS

ADD: The HMA Surface Course shall in general be constructed in compliance with Section 406 of the Standard Specifications and as specified herein:

1. Comply with Articles:
 - a. 406.03 Equipment.
 - b. 406.04 Keeping Road Open to Traffic.
 - c. 406.05 Preparation, Priming and Leveling of Brick, Concrete or HMA or Aggregate Bases.
 - d.406.06 Placing
 - 1) A Pre-Production Meeting will not be required
 - 2) A test strip will not be required.
 - 3)The automatic electronic grade control will not be required in areas of short passes (less than 300 feet).
 - e. 406.07 Compaction.
 - 1) Rolling shall be done at 90° in areas of three or more lanes to remove longitudinal roller marks.
 - 2) Coring will not be required unless requested by the Owner to verify course depth.
 - f. 406.08 Butt Joints.
 - g. 406.09 Approaches, Intersections, and Entrances.
 - 1)Saw cuts at adjoining pavement edges to remain shall be full depth to provide a straight and uniform edge and shall be incidental to the bituminous paving.

- h. 406.10 Multi-lane Pavement Resurfacing.
- i. 406.11 Surface tests.
 - 1) Revise to read: Finished paving smoothness tolerance shall be no deviations greater than 1/4" in 10', with no pools of water greater than 1/8" in depth.
- j. 406.12 Protection of Pavement
 - 1) Any damage to adjoining pavements, pavement edges or structures to remain shall be removed and/or repaired as directed by the A/E at no cost to the Owner.

QUALITY CONTROL / QUALITY ASSURANCE

ADD: The HMA Quality Control / Quality Assurance shall in general be completed in compliance with Section 1030.09 of the Standard Specifications and as specified herein:

BASIS OF PAYMENT

ADD: Payment will be made under:

Item AR401610 – Bituminous Surface Course – per ton

ADD

ITEM 403 – BITUMINOUS BASE COURSE
(Central Plant Hot Mix)

DESCRIPTION

401 DELETE: The entire specification section.

ADD: Provide Bituminous Base Course as hot mix asphalt (HMA) pavement consisting of Binder Course on a prepared aggregate base in accordance with Article 406 of the Standard Specifications for Road and Bridge Construction, January 1, 2022, Illinois Department of Transportation (IDOT) herein noted as the Standard Specifications.

MATERIALS

ADD: HMA Binder Course in accordance with Article 406.02 – PG 64-22, 4.0 % Voids N-50, IL 19.0 (for compacted lift thickness $\geq 2 \frac{1}{4}$ ")

CONSTRUCTION METHODS

ADD: The HMA Binder Course shall in general be constructed in compliance with Section 406 of the Standard Specifications and as specified herein:

1. Comply with Articles:

- a. 406.03 Equipment.
- b. 406.04 Keeping Road Open to Traffic.
- c. 406.05 Preparation, Priming and Leveling of Brick, Concrete or HMA or Aggregate Bases.
- d. 406.06 Placing
 - 1) A Pre-Production Meeting will not be required
 - 2) A test strip will not be required.
 - 3) The automatic electronic grade control will not be required in areas of short passes (less than 300 feet).
- e. 406.07 Compaction.
 - 1) Rolling shall be done at 90° in areas of three or more lanes to remove longitudinal roller marks.
 - 2) Coring will not be required unless requested by the Owner to verify course depth.
- f. 406.08 Butt Joints.
- g. 406.09 Approaches, Intersections, and Entrances.
 - 1) Saw cuts at adjoining pavement edges to remain shall be full depth to provide a straight and uniform edge and shall be incidental to the bituminous paving.
- h. 406.10 Multi-lane Pavement Resurfacing.
- i. 406.11 Surface tests.
 - 1) Revise to read: Finished paving smoothness tolerance shall be no deviations greater than $\frac{1}{4}$ " in 10', with no pools of water greater than $\frac{1}{8}$ "

in depth.

j. 406.12 Protection of Pavement

1) Any damage to adjoining pavements, pavement edges or structures to remain shall be removed and/or repaired as directed by the A/E at no cost to the Owner.

QUALITY CONTROL / QUALITY ASSURANCE

ADD: The Bituminous Quality Control / Quality Assurance shall in general be completed in compliance with Section 1030.09 of the Standard Specifications and as specified herein:

BASIS OF PAYMENT

ADD: Payment will be made under:

Item AR403610 – Bituminous Binder Course – per ton

RIGID SURFACE COURSES

ITEM 501 – PORTLAND CEMENT CONCRETE PAVEMENT

(PLAIN & REINFORCED)

MATERIALS

501-2.3 Paragraph A

DELETE: Paragraph A

ADD:

A. Cement shall conform to the requirements of ASTM C150 Type 1 or ASTM C595 Type IL.

BASIS OF PAYMENT

ADD:

501-5.4

Payment will be made under:

Item AR501506	6" PCC Pavement – per square yard
Item AR501530	PCC Test Batch – per lump sum
Item AS501506	6" PCC Pavement – per square yard

ITEM 602 – BITUMINOUS PRIME COAT

BASIS OF PAYMENT

602-5.1

ADD:

Payment will be made under:

Item AR602510

Bituminous Prime Coat – per gallon

ITEM 603 – BITUMINOUS TACK COAT

BASIS OF PAYMENT

603-5.1

ADD:

Payment will be made under:

Item AR603510

Bituminous Tack Coat – per gallon

ITEM 605 – JOINT SEALING FILLER

METHOD OF MEASUREMENT

605-4.1

DELETE: Sections (a) & (b)

ADD:

Joint Sealing Filler shall be considered incidental to Item 501 and will not be measured for payment.

BASIS OF PAYMENT

605-5.1

REPLACE: The paragraph with the following:

Joint Sealing Filler shall be considered incidental to Item P-501.

605-5.2

DELETE: This section

END ITEM P-605

ITEM 610 - STRUCTURAL PORTLAND CEMENT CONCRETE

DESCRIPTION

610-1.1

ADD: This item shall include concrete used for the purpose of light can bases, duct banks, clean outs, drainage structures and other miscellaneous concrete.

The cost of furnishing and install structural concrete shall be considered incidental to the contract unit price for the item utilizing Item 610 Structural Portland Cement Concrete. The prices shall be full compensation for furnishing all materials and or preparation, delivering and installation of these materials, and for all labor, equipment, tools and incidentals necessary to complete the item.

If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 50-18, 60-01, 60-03 and 60-11 of the Standard Specifications, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

ITEM 620 – PAVEMENT MARKING

DESCRIPTION

620-1.1 ADD: This item shall include marking the taxiway centerlines with waterborne paint. The marking colors shall match FAA standards. Airside pavement markings shall be paid under items AW620520 and AW620525.

This item shall also include marking the landside pavement drive and parking areas. Landside pavement markings shall be paid under Item AW620510.

MATERIALS

620-2.2 PAINT

ADD:

Paint type shall be Waterborne.

CONSTRUCTION METHODS

620-3.3 PREPARATION OF SURFACE

ADD: Shot blasting will not be allowed.

ADD: Existing marking that is to be re-painted shall be cleaned using sand blasting or high-pressure water to remove dirt, grease, laitance, and loose or flaking paint.

ADD: Water blasting equipment shall be adjustable to prevent damage to the pavement.

620-3.5 APPLICATION

DELETE:

Table 1 reference to Epoxy paint type.

ADD:

Reflective media will not be required for all landside pavement markings.

620-3.7 PAVEMENT MARKING REMOVAL

DELETE: In the first sentence "shot blasting,".

ADD: Shot blasting will not be allowed.

ADD: The Contractor will be allowed to remove the pavement markings on Runway 18/36 by grinding the pavement surface. Marking removal shall be completely obliterated in these areas. Grinding may be used at other locations provided that there is minimal damage to the surface at those locations.

ADD: Removal of the preformed thermoplastic pavement markings may require additional effort to completely remove from the pavement surface. Methods used by the contractor to remove the marking shall not damage the existing pavement surface. If removal methods are shown to damage the existing surface, the Contractor shall stop removal operations and continue with a different method that does not damage the pavement surface.

620-3.9 APPLICATION - PREFORMED AIRPORT PAVEMENT MARKINGS.

- A. ASPHALT AND PORTLAND CEMENT. To ensure minimum single-pass application time and optimum bond in the marking/substrate interface, the materials must be applied using a variable speed self-propelled mobile heater with an effective heating width of no less than 16 feet (4.88 m) and a free span between supporting wheels of no less than 18 feet (5.49 m). The heater must emit thermal radiation to the marking material in such a manner that the difference in temperature of 2 inch (5.08 cm) wide linear segments in the direction of heater travel must be within 5 percent of the overall average temperature of the heated thermoplastic material as it exits the heater. The material must be able to be applied at ambient and pavement temperatures down to 35°F (2°C) without any preheating of the pavement to a specific temperature. The material must be able to be applied without the use of a thermometer. The pavement shall be clean, dry, and free of debris. A non-VOC sealer with a maximum applied viscosity of 250 centiPoise (ASTM D 2393) must be applied to the pavement shortly before the markings are applied. The supplier must enclose application instructions with each box/package.

620-3.10 PROTECTION AND CLEANUP.

After application of the markings, all markings shall be protected from damage until dry. All surfaces shall be protected from excess moisture and/or rain and from disfiguration by spatter, splashes, spillage, or drippings. The Contractor shall remove from the work area all debris, waste, loose or unadhered reflective media, and by-products generated by the surface preparation and application operations to the satisfaction of the Engineer. The Contractor shall dispose of these wastes in strict compliance with all applicable state, local, and Federal environmental statutes and regulations.

METHOD OF MEASUREMENT

620-4.1 ADD: No distinction will be made between colors of paint for payment purposes.

The quantity of pavement marking to be paid for shall be the number of square feet of surface covered with paint and beads, completed and accepted by the Engineer. Measurement shall not be made separately for each paint application.

Mobilization will not be measured for payment. Several mobilizations may be required for the pavement marking.

Surface preparation will not be measured for payment. This shall be considered incidental to the pavement marking pay items.

BASIS OF PAYMENT

620-5.1 ADD: If, upon delivery and incorporation of any materials the Contractor has failed to provide the necessary submittals as required by Sections 30-18, 40-01, 40-03 and 40-10 of the Standard and Special Provisions, the pay item shall not be included on the CPP until such submittals have been furnished.

620-5.2 Payment shall be made at the contract unit price per square foot for pavement removal and preformed thermoplastic pavement marking removal. 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 AR620510 – Pavement Marking – per square foot

Item AR620520 – Pavement Marking - Waterborne – per square foot

Item AR620525 – Pavement Marking – Black Border – per square foot

DIVISION III – FENCING (WIRE FENCES)

ITEM 162 – CHAIN-LINK FENCES

(Class E)

MATERIALS

162-2.1 DELETE: The following:

- Aluminum Coated Steel
- Aluminum Alloy
- Vinyl Coated
- Zinc-5% aluminum-mischmetal alloy-coated steel

CONSTRUCTION METHODS

162-3.11 ADD: the following paragraph:

Fence removal includes the removal of riprap located at the base of the fence. This material is to be disposed of off Airport property. The removal of riprap shall be considered incidental to the remove fence pay item.

BASIS OF PAYMENT

162-5.3 ADD: the following sentence:

The removal of riprap shall be considered incidental to the Remove Class E Fence pay item.

ADD:

162-5.6 Payment will be made under:

Item AR161601	Temporary Gate – per each
Item AR162510	Class E Fence 10' – per linear foot
Item AR162618	Class E Gate-18' – per each
Item AR162900	Remove Class E Fence – per linear foot

DIVISION IV – DRAINAGE

ITEM 701 – PIPE FOR STORM SEWERS AND CULVERTS

DESCRIPTION

701-1.1 ADD: Pipe for concrete storm sewers shall be new Reinforced Concrete Pipe (RCP) meeting the requirements of ASTM C76. All reinforced concrete pipe shall be Class IV. Concrete pipe will be installed as a new pipe at the locations shown in the plans. Pipe will be utilized for construction of culverts under the perimeter road and at removals of existing structures.

MATERIALS

ADD:

701-2.10 TRENCH BACKFILL

Foundation, bedding, cradle and backfill material shall meet the requirements of an IDOT FA-1, FA-2, or FA-6. In wet trench conditions, an IDOT CA-7 may be used with the approval of the Resident Engineer.

701-2.11 RIPRAP

Riprap shall be Quality B material conforming to Section 1005.01 of the Standard Specifications for Road and Bridge Construction, January 1, 2022, Illinois Department of Transportation (IDOT) with size as noted on the construction documents.

CONSTRUCTION METHODS

701-3.2 CRADLE

DELETE: This section and replace with the following.

ADD: Granular cradle shall be constructed and compacted prior to the placement of the storm sewer for the entire length of the pipe as detailed in the plans.

Material for the cradle shall meet the requirements of 701-2.9.

Moist cradle materials shall be compacted to the Resident Engineer's satisfaction by ramming or tamping with tools approved by the Resident Engineer.

701-3.3 LAYING AND INSTALLING PIPE

B. Corrugated Steel and Aluminum Pipe.

ADD: Install rip rap in at location at dimensions shown in the construction drawing.

ADD: Install new storm sewer to an existing structure at locations shown in the construction drawing.

701-3.4 PIPE JOINTS

DELETE: Paragraphs B, C, and D of the Standard Specifications.

701-3.5 BACKFILLING

DELETE: This section and replace with the following.

ADD: As soon as the condition of the pipe will permit, the entire width of the trench shall be backfilled with moist fine aggregate meeting the requirements specified in 701-2.9 to a height of at least the elevation of the center of the pipe. The fine aggregate shall be placed longitudinally along the pipe. The elevation of the backfill material on each side of the pipe shall be the same. Special care shall be taken to completely fill the space under the pipe. The fine aggregate backfill material shall be placed in 8-inch layers, loose measurement and compacted to the satisfaction of the Engineer by ramming or tamping with tools approved by the Engineer. The fine aggregate used for backfilling shall meet the approval of the Engineer.

The remainder of the trench and excavation shall be backfilled to the natural line or finished surface as rapidly as the condition of the sewer will permit. The backfill material shall consist of the excavated material or of trench backfill, as herein specified. All backfill material shall be deposited in the trench or excavation in such a manner as not to damage the sewer. The filling of the trench shall be carried on simultaneously on both sides of the pipe in such a manner that injurious side pressures do not occur. The backfill for trenches and excavation made in the subgrade of the proposed improvement shall be made with trench backfill material.

All backfill material up to a height of 12 inches above the pipe shall be carefully deposited in uniform layers not exceeding 8 inches thick (loose measure). The material in each layer shall be firmly compacted by ramming or tamping with tools approved by the Engineer in such a manner as not to disturb or injure the pipe. For backfilling above this height, the material shall continue to be deposited in uniform layers not exceeding 8 inches thick (loose measure), and each layer shall be compacted by ramming or tamping with tools approved by the Engineer.

Under proposed pavements, backfilling shall be with an aggregate material which meets the requirements specified in 701-2.9.

METHOD OF MEASUREMENT

701-4.1 ADD: Provided and installed rip rap shall be considered incidental to the payment for item AR701212 – 12" CMP.

ADD: Furnish and Install all materials and labor that are required to make a new storm sewer connection to an existing structure. This work shall be considered incidental to the payment for items AR701524 – 24" RCP, Class IV.

BASIS OF PAYMENT

701-5.1 ADD: Payment will be made under:

Item AR701212 – 12" CMP – per linear foot

Item AR701518 – 18" RCP, Class IV – per linear foot.

Item AR701524 – 24" RCP, Class IV – per linear foot.

ITEM 705 – PIPE UNDERDRAINS FOR AIRPORTS

DESCRIPTION

705-1.1 ADD: This item shall consist of installing underdrain pipe along the edge of the new Taxiway and apron pavement. Perforated underdrain with sock shall be placed along the edge of the pavement as shown in the plans.

MATERIALS

705-2.5 POROUS BACKFILL

DELETE: References to IDOT CA-16.

ADD:

Porous backfill material shall conform to the requirements of IDOT FA-1 or FA-2, Class A Quality.

CONSTRUCTION METHODS

705-3.6 BACKFILLING

ADD:

The Contractor may also compact backfill by waterflooding. Waterflooding shall be done by introducing water through holes jetted into the backfill to a point approximately two feet above the top of the pipe. The holes shall be spaced no farther than six feet apart. The water shall be injected at a pressure just sufficient to sink the holes at a moderate rate of speed. The pressure shall be such that the water will not cut cavities in the backfill material nor overflow the surface. Water shall be injected as long as it will be absorbed by the backfill material. Injection shall continue until compaction is completed to the satisfaction of the Engineer.

Costs associated with backfilling and compaction of bedding and porous backfill shall be considered incidental to the cost of the underdrain.

BASIS OF PAYMENT

705-5.1 Payment will be made under:

Item AR705524 – 4” Perforated Underdrain w/ Sock – per linear foot.

Item AR705544 – 4” Non-Perforated Underdrain – per linear foot

Item AR705635 – Underdrain Collection Structure – per each

Item AR705640 – Underdrain Cleanout – per each.

Item AR705645 – Underdrain Connection – per each.

Item AS705524 - 4” Perforated Underdrain w/ Sock – per linear foot.

ITEM 751 – MANHOLES, CATCH BASINS, INLETS AND INSPECTION HOLES

MATERIALS

751-2.9 PRECAST DRAINAGE STRUCTURES

Pre-cast drainage structures shall meet the applicable requirements of IDOT, Division of Highways, "Highway Standards", where applicable.

CONSTRUCTION METHODS

751-3.3 CONCRETE STRUCTURES

ADD:: Provide and install manhole aprons at locations and per details in the construction drawings.

751-3.9 BACKFILLING

DELETE: Paragraph A. of this section.

ADD: Backfill materials shall be an IDOT Division of Highways FA1, FA2, CA-06 or CA-10 conforming to IDOT D quality.

METHOD OF MEASUREMENT

751-4.1

ADD:

Provided and installed Manhole Frames, Covers and Grates shall be considered incidental to the payment for items AR751550 Manhole – 5' and AR751560 Manhole – 6'

Provided and installed Manhole Aprons shall be considered incidental to the payment for items AR751550 Manhole – 5' and AR751560 Manhole – 6'

BASIS OF PAYMENT

ADD:

Payment will be made under:

Item AR751410	Inlet – per each.
Item AR751550	Manhole – 5' – per each
Item AR751560	Manhole – 6' – per each

ITEM 752 – CONCRETE CULVERTS, HEADWALLS, AND MISC. DRAINAGE STRUCTURES

DESCRIPTION

752-1.1 ADD: This item shall consist of installing concrete flared end sections at the locations identified in the plans. Each installation shall include grating and rip rap for concrete flared end sections.

MATERIALS

752-2.2

ADD: Grating for Concrete Flared End Section – Grating shall meet the requirements of IDOT Standard 542311-03 or approved equal.

METHOD OF MEASUREMENT

752-4.1

ADD: This price shall be full compensation for furnishing all materials and for preparation, excavation, backfilling and placing of materials including grating and rip rap. Grating and rip rap shall be considered incidental and will not be measured for payment.

BASIS OF PAYMENT

752-5.1

REVISE: This price shall be full compensation for furnishing all materials and for preparation, excavation, backfilling and placing of materials including grating;

ADD:

Payment will be made under:

Item AR752418 – Precast Reinforced Conc. FES 18” – per each.

Item AR752424 – Precast Reinforced Conc. FES 24” – per each.

DIVISION V – TURFING

ITEM 901 – SEEDING

DESCRIPTION

901-1.1 ADD: Restoration, seeding and mulching beyond the limits of seeding and mulching shown in the plans (such as cabling, staging, storage and access) shall be incidental to the project.

MATERIALS

901-2.2 LIME

ADD: Lime will not be required unless determined necessary by the Contractor.

901-2.3 FERTILIZER

ADD: Fertilizer will not be required unless determined necessary by the Contractor. Fertilizer shall be considered incidental to the Seeding pay item.

CONSTRUCTION METHODS

901-3.2 DRY APPLICATION METHOD

DELETE: Paragraph (c), Seeding.

ADD: Grass seed shall be sown at the rate shown in 901-2.1.

Grass seed shall be sown with a machine that is capable of cutting a slit in the soil free from leaves and debris, placing the seed in the slit and compacting the seed into the soil of the slit in one continuous operation.

901-3.3 WET APPLICATION METHOD

DELETE: This section.

BASIS OF PAYMENT

901-5.1 ADD: If, upon delivery and incorporation of any materials, the Contractor has failed to provide the necessary submittals as required by Sections 50-18, 60-01, 60-03 and 60-11 of the Standard and Special Provisions, the pay item shall not be included on the Construction Progress Payment report until such submittals have been furnished.

Payment will be made under:

Item AR901510 – Seeding – per acre.

ITEM 904 – SODDING

DESCRIPTION

904-1.1 ADD: This item shall consist of installing a 4' width of sod along the new edges of the proposed taxiway and apron pavements.

MATERIALS

904-2.2 LIME

Lime will not be required unless determined necessary by the Contractor.

904-2.3 FERTILIZER

Fertilizer will not be required unless determined necessary by the Contractor. Fertilizer shall be considered incidental to the Sodding pay item.

CONSTRUCTION METHODS

904-3.1 DELETE: First paragraph.

ADD: The approximate areas to be sodded are shown on the plans. The exact limits will be established by the Resident Engineer.

904-3.2 PREPARING THE GROUND SURFACE

ADD: The areas to be sodded shall be stripped of vegetation, in accordance with Item 152, thoroughly disked or scarified to a 3" minimum depth and brought to grade with topsoil as described in Item 152 – Excavation and Embankment. Topsoiling shall be considered incidental to the unclassified excavation pay item and will not be measured separately for payment.

904-3.5 LAYING SOD

ADD: After the ground surface has been prepared and accepted, the Contractor shall furnish and install new sod on the prepared surface.

904-3.6 WATERING

ADD: Sod shall be kept moist until it has become established, and its continued growth assured. Watering shall be provided by the Contractor as necessary to promote establishment, at no additional cost to the contract.

BASIS OF PAYMENT

904-5.1 Payment will be made under:

Item AR904510 – Sodding – per square yard.

Item AS904510 – Sodding – per square yard.

ITEM 908 – MULCHING

DESCRIPTION

908-1.1 ADD: Restoration, seeding and mulching beyond the limits of seeding and mulching shown in the plans (such as cabling, storage, staging and access) shall be incidental to the project.

This item shall consist of furnishing and applying hydraulic mulch outside of the sod that has been placed along the edge of pavement.

MATERIALS

908-2.1 MULCH MATERIAL

DELETE:
A. Hay
C. Hay Mulch Containing Seed

BASIS OF PAYMENT

ADD:

908-5.2 Payment will be made at the contract unit price per square yard for knitted straw mat at locations shown on the plans. This price shall be full compensation for furnishing all materials and for placing and anchoring the materials, and for all labor, equipment, tools, and incidentals necessary to complete the item.

Payment will be made under:

Item AR908510 – Mulching – per acre

Item AR908515 – Heavy Duty Hydraulic Mulch – per acre.

DIVISION VI – LIGHTING INSTALLATION

ITEM 108 – INSTALLATION OF UNDERGROUND CABLE FOR AIRPORTS

DESCRIPTION

108-1.1

ADD: This item of work shall include the following:

- Installation of 1/C #8 5KV UG Cable in Unit Duct for existing Taxiway A circuits

All installations shall be the locations shown on the plans and in accordance with these specifications. In areas where there is a congestion of buried cable, the Contractor shall be required to trench the proposed cable into place. When crossing existing circuits or as requested by the Resident Engineer, the Contractor will be required to hand dig the trenches for the proposed cable. In all other areas the Contractor has the option of either to plow or trench the proposed cable in the unit duct into place.

EQUIPMENT AND MATERIALS

108-2.1

GENERAL

ADD:

- F. Shop drawings for all components of this section shall be submitted an approved prior to ordering materials to be used in construction.

108-2.4

CABLE CONNECTIONS

DELETE: Paragraphs (b), and (e).

ADD: Only L-823 connectors shall be used for all L-824 cable airfield lighting circuit connections.

All ground wire splice connections below grade and ground wire connections to copperclad ground rod shall be of exothermic welded type connection, Caldwell, or equal.

All connections shall be at manholes, handholes, splice cans or light bases. **No direct burial splicing will be allowed.**

In line connections for existing cables to be spliced or those which are cut during construction shall be repaired with the cast splice kit. The Contractor shall have a minimum of two (2) splice kits on the jobsite at all times for emergency repairs.

108-2.13

UNIT DUCT.

DELETE:

1st Paragraph.

ADD:

Where indicated on the Plans, unit-duct shall be as described under this item. The duct shall comply with NEMA Standards Publication No. TC7-1990, Part 4, ASTM D 3485, and ASTM D 3350, with additions, options, and exceptions as detailed herein. The duct shall be annealed during the extrusion process. The duct shall be manufactured from black, virgin, high density polyethylene resin.

CONSTRUCTION METHODS

108-3.1 GENERAL

DELETE: Entire Section.

ADD: All lighting circuits are considered critical. It is, therefore, imperative that the Contractor carefully review the plans showing electrical layout.

If the Contractor desires to lay cable on a line other than that shown on the plans, he shall obtain the approval of the Engineer before doing so, and any additional cable required to do so will not be paid for unless being completely necessary to make a more proper connection or more convenient location.

The location of existing cables are taken from available record maps and it will be necessary for the Contractor to make field investigations to determine the exact locations of underground cable and conduits at critical points. ANY EXISTING CABLES CUT AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IN ACCORDANCE WITH PARAGRAPH 108-2.4. COST TO BE BORNE BY THE CONTRACTOR.

At locations at which the Contractor utilizes the existing duct for a particular new circuit, the Contractor shall first remove the associated existing circuit conductors. The removed conductors shall be turned over to the airport at a site on airport property designated by the Resident Engineer. At all other locations the conductors shall be abandoned in place.

108-3.3 TRENCHING

CHANGE: 18" to 24" in the last sentence of the second paragraph.

Trenching shall be at no additional cost to the Contract.

108-3.10 LOCATING OF EXISTING CABLES

ADD:

The existing FAA and airfield lighting circuit cables within the limits of this project are critical to air navigation and cannot be shut down. It is imperative that the Contractor exercise extreme caution when excavating to expose and encase these cables.

Hand excavation of the existing cables is required. As a minimum the Contractor shall pothole the cables in the ditch lines, but in a sufficient number of other locations to accurately define the alignment and vertical profile of the cable.

This work shall be considered incidental to the contract and no additional compensation shall be allowed.

108-3.11 TERMINATIONS AND CONNECTIONS

ADD:

Contractor shall ensure that adequate cable is available prior to install to avoid short cable runs.

BASIS OF PAYMENT

108-5.1 ADD: These prices shall be full compensation for furnishing all materials and for all preparation, removals, modifications, assembly, and installation of these materials, coordination with the manufacturers and for all labor, equipment, tools, and incidentals necessary to complete this item.

Payment will be made under:

Item AR108108 – 1/C 5KV UG Cable – per linear foot

Item AR108158 – 1/C #8 5KV UG Cable in UD – per lineal foot.

Item AR108706 – 1/C #6 Counterpoise – per lineal foot.

ITEM 110 – INSTALLATION OF AIRPORT UNDERGROUND ELECTRICAL DUCT

DESCRIPTION

- 110-1.1 ADD: This item shall consist of the following:
- New 4-way duct bank at the location shown in the plans

MATERIALS

110-2.2 DELETE: This Section.

110-2.3 PLASTIC CONDUIT

ADD: Conduits for concrete encased ducts shall be 4” inside diameter, PVC, Schedule 40 unless otherwise noted on the plans.

CONSTRUCTION METHODS

110-3.4 DUCT MARKERS

DELETE: This section.

ADD: This item shall consist of the installation of an In-Pavement Duct (Survey) marker at the location of proposed utility crossings as detailed in the plans as directed by the Engineer.

This work shall be coordinated with the locating of existing utilities as required by Section 70-17 to provide for accurate location of the markers.

METHOD OF MEASUREMENT

110-4.2 DELETE: This section.

ADD: The quantity of directional bore to be paid for shall be the number of linear feet installed, measured in place, completed and accepted.

BASIS OF PAYMENT

110-5.1 REVISE: The second sentence of the first paragraph to read: “This price shall be full compensation for furnishing all materials including duct markers and for all...”

Payment will be made under:

Item AR110102 Duct Marker – In Pavement – per each

Item AR110504 4-Way Concrete Encased Duct Bank – per linear foot.

ITEM 125 – INSTALLATION OF AIRPORT LIGHTING SYSTEMS

DESCRIPTION

- 125-1.1 ADD: Airfield lighting improvements shall include:
Installation of Taxiway Lights along existing Taxiway A.

EQUIPMENT AND MATERIALS

CONSTRUCTION METHODS

- 125-3.4 REMOVALS
Removal of electrical items shall include the removal of the feature and the foundation.

BASIS OF PAYMENT

- 125-5.1 ADD: These prices shall be full compensation for furnishing all materials and for all preparation, removals, modifications, assembly, and installation of these materials, coordination with the manufacturers and for all labor, equipment, tools, and incidentals necessary to complete this item.
- Payment will be made under:
- Item AR125415 – MITL Base-Mounted – per each.
- Item AR125902 – Remove Base Mounted Light – per each

ADD:

SPECIAL PROVISIONS – MISCELLANEOUS

ITEM 760 – SITE WATER DISTRIBUTION

DESCRIPTION

760-1.1 Provide domestic water and fire service system in accordance with the Standard Specification for Water and Sewer Main Construction in Illinois, as shown on the Drawings, and as specified herein.

All work on public right of way and easements will be under the direct supervision of the Clayton Camp Point Water Commission, who shall have final approval of all work and materials necessary to complete this portion of the work.

Item AW760830 – Water Valve shall be a 6" valve.

EQUIPMENT AND MATERIALS

760-2.1 WATER MAIN PIPING:

A. Plastic Pipe:

1. SDR 21 (PR 200): Pipe shall be made from polyvinyl chloride (PVC) compounds, which shall comply with ASTM Specification D1784 Class 12454-A or Class 12454-B. Clean, reworked materials generated from the manufacturers own production shall be acceptable provided they comply with the above material standards. The PVC compounds shall also be approved for the recommended hydrostatic design stress for PVC 1120 type compounds.
 - a. The pipe shall conform to the latest ASTM Specification D2241, Polyvinyl Chloride (PVC) Plastic Pipe (SDR-PR). Pipe shall be pressure rated (PR) 200 psi with standard dimension ratio (SDR) of 21.
 - b. All joints of both pipe and fittings shall comply with ASTM Specification D3139, Joints for Plastic Pressure Pipes using Flexible Elastomeric Seals. Joint bells shall be formed integrally with the pipe or fitting and shall have a raceway or groove which is specially formed to accept and retain the gasket. Pipe spigots shall be beveled and shall have insertion stop marks. Qualification tests of the joint design shall result in no leakage under various laboratory test conditions of joint alignment and pressure at 2-1/2 times rated pressure and at 22" (560 mm) Hg vacuum. Field joints using solvent cement shall be prohibited.
 - c. Gaskets shall be molded from a high grade, properly vulcanized, elastomeric compound consisting of either a basic natural or synthetic rubber. Gaskets shall be marked to show IPS for pressure rated pipe, nominal size, manufacturer's identification, and year of manufacture. Gaskets shall be color striped on the side of the gasket that faces the open bell to facilitate proper installation. Gaskets shall comply with the requirements of ASTM specification F 477, Elastomeric Seals (Gaskets) for Joining Plastic Pipes.
2. Certificate of Compliance:
 - a. The Contractor shall provide a certificate of compliance with the above specifications for plastic pipe. In addition, the Contractor shall provide the date code of the plastic pipe to enable the Engineer to determine the date of manufacture of all pipe. Plastic pipe that has been manufactured more than 30 days prior to delivery to the job site shall not be accepted unless the supplier can furnish proof that the pipe has been properly stored out of direct sunlight in

accordance with the materials storage specifications given below.

- B. Pipe Fittings: Fittings shall be ductile iron with mechanical joints and transition gaskets for PVC pipe and shall conform to the latest AWWA Standard C110 or C 153. Ductile iron fittings IPS size shall have the letters "DI" or "DUCTILE" cast on them.
 - 1. Mechanical Joint Restraint: Mechanical joint restraint for PVC pipe shall be EBAA iron series 2000 PV Megalug, or equal.
- C. Gate Valves with Mechanical Restraint: Resilient Seated Gate Valves shall conform to AWWA C509. All bolts, nuts and studs shall be made from CORROSION – RESISTANT MATERIAL, such as low-zinc bronze, nickel-copper alloy, or stainless steel. All gate valves shall be equipped with mechanical restraint systems.
 - 1. Mechanical joint restraint shall be incorporated in the design of the follower gland and shall include a restraining ring which, when actuated by a wedging action with the gland, imparts a restraining force against the pipe that increases as the pressure increases. Glands shall be manufactured of ductile iron meeting ASTM A-536-80. Restraining ring shall be of ductile iron heat treated to a minimum hardness of Rockwell 40, and shall be designed such that the pipe contact surface is suitable for use with both rigid and resilient pipe materials. Dimensions of the gland shall be such that it can be used with the standard mechanical joint bell, gasket, and tee-head bolts in accordance with ANSI/AWWA C110/A21.10, ANSI/AWWA C111/A21.11, and ANSI/AWWA C153/A21.53 of the latest revision. The restraint ring shall be actuated solely by the tee-head bolts. Gland and restraining ring shall be color coded to avoid confusion during installation.
 - 2. The mechanical joint restraint device shall have a working pressure of at least 350 psi with a minimum safety factor of 2:1 and shall be Romac Industries, Inc., Grip Ring Pipe Restraint, Mueller Aquagrip or equal.
- D. Fire Hydrants: Fire Hydrants shall be Mueller Centurion, Waterous WB-67 or American Darling Mark 73 or B-84-B, with a 4 1/2" valve, 4" M.J. Shoe, and two 2 1/2" Hose Nozzles; or with a 5 1/4" valve, 6" M.J. Shoe, 4 1/2" pumper nozzle, and two 2 1/2" Hose Nozzles. Hose Nozzles shall have National Standard Threads. Bury depth shall be 5 feet. Hydrant shall open counterclockwise with a National Standard 1 1/2" operating nut. A drain valve shall be provided at the bottom of the barrel. Fire hydrants shall conform to AWWA Standard C502 and Section 45 of the Illinois Standard Specifications for Water and Sewer Construction.
 - 1. Fire Hydrants shall be connected to the watermains with 6" Ductile Iron Pipe and 6" Auxiliary Gate Valve and Valve Box. The auxiliary valve shall be set next to the fire hydrant and shall be connected to the ductile iron lead-in pipe with restraining set screws or other device subject to approval by the Engineer. Hydrants shall be installed in accordance with Section 45-3 of the Illinois Standard Specifications. Hydrants shall be painted red at the factory and "touched up" after installation.
- E. Tapping Sleeve & Valve: Tapping sleeve shall be stainless steel body with flange also constructed of stainless steel. Bolts and nuts shall be stainless steel. Tapping valve shall have a flange face for connection to sleeve and a mechanical joint for main extension.
 - 1. Tapping sleeves shall be provided by Cascade Waterworks manufacturing company or equal.
- F. Marking Wire: Marking wire shall be a single #12 THW AWG Copper Clad Steel, High strength with 30 mil thick HDPE insulation by Copperhead Industries, LLC. Underground splices shall be 3M or other approved direct bury splice kits.

- G. Submittals: Contractor shall submit for approval by the Engineer manufacturers literature, dimension prints, or shop drawings for the following:
1. Pipe
 2. Ductile Iron Fittings.
 3. Fire Hydrants.
 4. Gate Valves and Boxes - Including Provisions for Corrosion Resistance.
 5. Tapping Sleeve and Valve w/Box.

760-2.2 MATERIALS STORAGE

- A. General: The interior, as well as all sealing surface, of all pipe, fittings, and other accessories shall be kept free from dirt and foreign matter. Pipe bundles shall be stored on flat surfaces with uniform support. Gaskets shall be stored in a cool, dark place away from oil, grease, excessive heat, direct sunlight, and electric motors.
- B. Storage of Plastic Pipe: Plastic pipe shall not be stored in direct sunlight for a period of time longer than ninety days. Plastic pipe stored outside for longer periods shall be covered with canvas or other opaque material. Clear plastic sheets shall not be used. Air circulation shall be provided under the covering.
- C. If the plastic is stored in direct sunlight for a period of time longer than ninety days, contrary to these specifications, the pipe will be rejected by the Owner. The Contractor shall at his own expense remove this pipe from the job site and replace it with acceptable pipe.

CONSTRUCTION METHODS

760-3.1 GENERAL:

- A. Do not use deformed, defective, gouged, or otherwise damaged pipes or fittings.
- B. Keep trench free of water. Clean pipe interior prior to placement in the trench.
- C. Install pipe with fittings and valves to the lines and grades specified in the contract documents.
- D. Clean joint surfaces thoroughly and apply lubricant approved for use with potable water and recommended by the manufacturer.
- E. Push pipe joint to the indication line on the spigot end of the pipe before making any joint deflections.
- F. Limit joint deflections to one degree less than pipe manufacturer's recommended maximum limit.
- G. Tighten bolts in a joint evenly around the pipe.
- H. Set tops of valve boxes to finished grade, unless otherwise directed by the Engineer.
- I. Check the working order of all valves by opening and closing through entire range. Before opening the valves, check with the Jurisdiction on operating requirements.
- J. Keep exposed pipe ends closed with rodent-proof end gates at all times when pipe installation is not occurring.

- K. Close the ends of the installed pipe with watertight plugs during nights and non-working days.
- L. Do not allow any water from the new pipeline to enter the existing distribution system piping until testing and disinfection are successfully completed.

760-3-2 EXCAVATION AND BACKFILL:

- A. Excavation and backfilling for water lines and appurtenances, shall comply with governing Federal State laws and municipal Ordinances as may be necessary to protect life, property, or the work. In any event, the minimum protection shall conform to the rules and regulations of the Occupational Safety and Health Act (OSHA) Standards for Construction.
- B. Reference points and bench marks for controlling lines and grades are shown on the Drawings. All additional horizontal and vertical measurements that will be required to complete the work, in addition to the controlling lines and grades, shall be the responsibility of the Contractor.
- C. Trench Width: The trench width shall be no greater than the width needed to properly joint the pipe and lay it in the trench. Minimum width shall be the pipe diameter plus four inches.
- D. Depth of Pipe Cover: The pipe shall be laid to a minimum depth of four feet measured from the existing ground surface to the top of the barrel of the pipe. Where carrier pipe is enclosed in a steel casing pipe the minimum depth shall be three feet to the top of the casing pipe.
- E. Embedment: Bedding is the material directly under the pipe. It establishes line and grade and provides support. Usually loose material left by the excavator or shaved from the trench walls provides adequate bedding. If the trench bottom is rocky, place a 6" layer of selected material to provide a cushion. Rocks or other large particles should never be closer than 6" from the pipe.
- F. Backfill: Only selected excavated materials, free from stones, with a particle size less than 1/2 inch, shall be used in backfilling up to 12 inches above the top of the pipe. Backfill shall be made by any acceptable method, which will not dislodge or damage the pipe or cause bridging action. Tamping around the pipe will not be required provided trench widths are within allowable limits and the initial backfill provides support underneath the pipe. Excess material shall be neatly rounded over the top of the trench as directed by the Engineer. In final clean-up operations, the Contractor shall reshape the surface to level out any uneven settlement that has occurred. Where indicated on the Plans, the trench shall be mechanically compacted after final backfill.
 - 1. The backfill material under surfaces to be replaced, including streets, sidewalks, driveways, and pavements shall be CA-7 or CA-6 aggregate backfill sufficiently compacted so as to prevent any future trench settlement.

760-3.3 PIPE INSTALLATION:

- A. Separation from Sewer Mains: There shall be at least a ten-foot horizontal separation between the proposed water main and sewer mains. Water mains crossing sewer mains shall be laid to provide a minimum vertical distance of eighteen inches between the outside of the sewer main and the outside of the water main. This shall be the case where the water main is either above or below the sewer main. One full length of water pipe must be located so that both joints will be as far from the sewer line as possible. Support the sewer main or drain to prevent settling and breaking the water main. Both the watermain and sewer shall be constructed of slip or mechanical joint PVC pipe.

- B. Handling of Pipe: All pipe shall be handled in such manner as will prevent damage to the pipe. Accidental damage to pipe shall be repaired to the satisfaction of the Engineer or be removed from the job and methods of handling shall be corrected to prevent further damage when called to the attention of the Contractor.
1. The pipe and fittings shall be inspected by the Contractor for defects while suspended above grade.
 2. Dirt or other foreign material shall be prevented from entering the pipe or pipe joint during handling or laying operations; and any pipe or fitting that has been installed with dirt or foreign material in it shall be removed, cleaned and relaid. At times when pipe laying is not in progress, the open ends of the pipe shall be closed by a watertight plug or by other means approved by the engineer to ensure absolute cleanliness inside the pipe.
- C. Cutting and Beveling Pipe: Field cuts may be made with either hand or mechanical saws or plastic pipe cutters. Cuts shall be made without damaging the pipe. Ends shall be carefully cut so they are square and perpendicular to the pipe axis. Field constructed spigots on plastic pipe shall have burrs removed and the ends smoothly beveled by a mechanical beveller or by hand with a rasp or file.
- D. Pipe Assembly: All joints shall be assembled in accordance with recommendations of the manufacturer. Clean and dry the surfaces of all joints components. Inspect the components and repair or replace damaged or defective ones. Where gaskets are inserted into the bell in the field, seal the gasket firmly and uniformly into the bell groove with the color stripe toward the open bell end. Gaskets for pipefittings and accessories shall only be used with the item for which they were designed, manufactured and supplied. Use only lubricant supplied by the pipe manufacturer. Apply lubricant immediately before joining. Apply lubricant only on the spigot and not on the gasket or in the bell. Coat the entire circumference of the spigot bevel plus about one inch behind the taper.
1. Insert lubricated spigot into the bell until contacting the gasket uniformly. Take care to concentrically align the two piping components to avoid gasket displacement and to ease insertion. Then use normal force to insert the spigot until the insertion strip mark is flush with the bell entrance. Rotating the pipe while inserting it is helpful.
 2. Use a pipe puller or bucking bar if necessary to assist insertion. Proper joining and gasket seating may be verified after joint assembly by rotation of the spigot by hand or using a strap wrench for 1/4 to 1/2 turn. If unusual joining resistance is encountered or if the insertion mark does not reach the flush position, disassemble the joint, inspect for damage, reclean the joint components and repeat the assembly steps.
- E. Temporary Cessation of Work: When the installation of pipe is stopped at the end of a day or for a longer period of time, the pipe shall be plugged and left in the trench. Pipe shall not be left extending up out of the trench during this period.
- F. Thrust Blocking: Blocking to prevent movement of lines under pressure at bends, tees, caps, valves and hydrants shall be Portland Cement Concrete, a minimum of 12" thick, placed between solid ground and the fittings, and shall be anchored in such a manner that pipe and fittings joints will be accessible for repairs. The concrete shall have a minimum 28-day compressive strength of 3500 psi.
1. Solid, pre-cast concrete blocks may be used in place of Portland Cement Concrete for thrust blocking at the direction of the Owner. If solid concrete blocks are used, care must be taken to provide for the minimum thickness and to assure that fittings or hydrants are wedged securely against undisturbed ground.

2. All bends of 11-1/4 degrees or greater, and all tees and plugs shall be thrust protected to prevent movement of the lines under pressure as shown on the Plans.
- G. Disinfection: After construction and prior to being placed in service, all water mains shall be disinfected by one of the methods listed in AWWA C651 or Illinois Standard Specifications.
1. The Contractor shall take and deliver bacteriological samples to a qualified laboratory or municipal water district for analysis. Cost for sampling and analysis required, will be at the expense of the Contractor.

760-3.3 CLEANING AND FLUSHING:

- A. Prior to disinfection, all water mains shall be flushed and cleaned. Where directed by the Engineer, water mains shall be cleaned by inserting a hydraulically propelled foam "pig" or other suitable device acceptable to the Engineer. No additional payment will be made for cleaning, pigging and flushing, which shall be considered as incidental to the water main installation unless it is listed as a pay item in the Bid Schedule.

760-3.4 PRESSURE TEST

- A. After installation, the pipeline shall be subjected to a hydrostatic pressure equal to 50% more than the operating pressure at the lowest point of that pipe section, but not to exceed the pressure rating of the pipe. The pipeline shall be slowly filled with water at a velocity less than 1 fps. All air shall be expelled from the pipe. The duration of each pressure test shall be for a period of not less than one hour. Any cracked or defective pipe, fittings, or valves discovered by this pressure test shall be removed and replaced by the Contractor with sound material and the test shall be repeated until satisfactory to the Engineer. The allowable leakage is that recommended in the AWWA manual for PVC pipe

METHOD OF MEASUREMENT

760-4.1

The footage of pipe to be paid for shall be the number of linear feet of pipe in place, completed, and approved to be measured along the centerline of the pipe from end of pipe to a tee. All fittings shall be included in the footage as typical pipe sections in the pipeline being measured.

All fittings, caps or plugs required for pipe installed will not be paid for separately, but shall be considered incidental to the pipe.

Appurtenances will be measured and paid for separately.

All thrust blocks required for pipe installed will not be paid for separately, but shall be considered incidental to the pipe.

Aggregate Backfill required for pipe installed under proposed or future pavements will not be paid for separately, but shall be considered incidental to the pipe.

BASIS OF PAYMENT

760-5.1

The contract unit price per linear foot for water pipe and per each appurtenance shall be full payment for furnishing and installing all materials, and for all excavation, earth backfill, granular cradle, select granular backfill placement, compaction, pipe connections and surface grading; and for all labor, equipment and

tools necessary to complete this item of the size and type to the satisfaction of the Engineer.

Payment will be made under:

Item AR760608	8" PVC Water Main – per linear foot
Item AR760800	Fire Hydrant – per each
Item AR760830	Water Valve – per each
Item AR760838	Water Valve – 8" - per each
Item AR760861	8" x 8" Tapping Valve and Sleeve – per each

ITEM 770 – SANITARY SEWERAGE SYSTEM

DESCRIPTION

770-1.1 Provide sanitary sewerage system in accordance with the Standard Specifications for Water and Sewer Main Construction in Illinois, 7th Edition, or latest revision, as shown on the Drawings, and as specified herein.

All work on public easements shall also be in accordance with the rules and regulations of the City of Quincy sanitary sewer department

EQUIPMENT AND MATERIALS

770-2.1 PIPING FOR SEWERS:

- A. Sewer pipe shall comply with provisions of these specifications for the type, class, strength, coatings and linings of the pipe as shown on the Plans and as described herein:
 - 1. Polyvinyl Chloride (PVC) Pipe 4" to 15" diameter:
 - a. Dimensions of pipe and fittings shall conform to ASTM D3034.
 - b. Minimum acceptable Standard Dimension Ratio (SDR) shall be 26.
 - 1) SDR 26: Minimum pipe stiffness of 115 psi
- B. Joints:
 - 1. PVC Pipe joints for ASTM 3034 and ASTM 679 pipe shall be flexible elastomeric seals per ASTM D 3212 and ASTM F 477 or solvent welded joints per ASTM D 2855 for 4" and 6" only.
- C. Granular Foundation:
 - 1. Granular foundation material shall be gravel or crushed stone sized primarily within a 1" to maximum 3" range. Quality shall consist of sound durable aggregate particles reasonably free of objectionable deleterious materials.

770-2.2 CONNECTIONS:

- A. Make connections to existing piping and underground manholes.
 - 1. New connection
 - a. Use commercially manufactured wye fittings for piping branch connections with sizing as show in the plans.
 - 2. Connection to Existing Sanitary Sewer system
 - a. Pipe - Use commercially manufactured wye or insertable tee fittings to the existing piping. Remove section of existing pipe; install wye fitting into existing piping; and encase entire wye fitting, plus 6-inch overlap, with not less than 6 inches of concrete, or install insertable tee per manufacturer's recommendations.
 - b. Manhole – core drill the manhole with the appropriate size and use an A-LOK "G-

3 BOOT SYSTEM or approved equal for the pipe connection.

CONSTRUCTION METHODS

770-3.1 INSTALLATION

- A. Excavation and backfilling for sewers, collection lines, manholes, structures and appurtenances, shall comply with governing Federal, State laws and municipal Ordinances as may be necessary to protect life property or the Work. In any event, the minimum protection shall conform to the rules and regulations of the Occupational Safety and Health Act (OSHA) Standards for Construction.
- B. Connections to Existing Manholes shall be completed in Standard Specifications, and details in the Drawings.
- C. Connections of dissimilar types of pipe when joined outside of a manhole or other structure shall be joined with suitable adapters, such as:
 - 1. Fernco Flexible Coupling, Fernco, Inc. (Davison, Michigan).
 - 2. Flexi-Seal Coupling, Mission Rubber Co. (Corona, California).
 - 3. Approved equal.
- D. Foundations and Bedding:
 - 1. All sewer pipe shall be laid on an aggregate bedding, having a minimum thickness of 4 inches below the pipe and extending to the midpoint of the pipe as shown on the Drawings.
- E. Gravity Sewer Installation:
 - 1. Install watertight plug to prevent water from entering the existing sewer system.
 - 2. Clean pipe interior and joints prior to installation. Keep pipe clean during construction.
 - 3. Begin at the lowest point in the line. Lay groove or bell end pointing upstream unless otherwise specified.
 - 4. Use a saw to cut ends of pipe flush with inside wall of manholes and structures. Do not use hammer or other means to break pipe.
 - 5. Provide manholes as specified in the contract documents.
 - 6. Clean joint surfaces to remove soil or foreign material prior to jointing pipe. Assemble joints according to pipe manufacturer's recommendations. Use equipment that does not apply damaging forces to pipe joints.
 - 7. Install cap, plug, or bulkhead at exposed ends of pipe upon completion of construction or whenever pipe installation is not in progress.
- F. Tees and Laterals:
 - 1. Unless otherwise specified, tees and laterals shall be of the same type and strength material as the main sewer pipe.
 - 2. Lateral pipes and connecting tees or saddles shall be six-inch unless otherwise specified and shall be installed at locations shown on the Plans.
 - 3. Sewer laterals shall be installed at right angles to the sewer main. Trenching and backfilling laterals shall comply with the same requirements as the main sewer pipe it joins. Open ends of laterals or tees shall be closed with air tight plugs which can readily be removed at a later date without breaking the lateral pipe or tee, if required.
 - 4. The Contractor shall be responsible for installing laterals to the depth shown on the

- Plans.
5. Contractor shall locate tees and ends of laterals by field measurements from manholes and main sewer and submit a record of locations to the Engineer.
- G. Backfill: Only selected excavated materials, free from stones, with a particle size less than 1/2 inch, shall be used in backfilling up to 12 inches above the top of the pipe. Backfill shall be made by any acceptable method, which will not dislodge or damage the pipe or cause bridging action. Tamping around the pipe will not be required provided trench widths are within allowable limits and the initial backfill provides support underneath the pipe. Excess material shall be neatly rounded over the top of the trench as directed by the Engineer. In final clean-up operations, the Contractor shall reshape the surface to level out any uneven settlement that has occurred. Where indicated on the Plans, the trench shall be mechanically compacted after final backfill.
1. The backfill material under existing, proposed or future streets, sidewalks, driveways, and pavements shall be CA-7 or CA-6 aggregate backfill sufficiently compacted so as to prevent any future trench settlement.
- H. Cleaning Inspection and Testing:
1. The following tests and inspection of sanitary sewers as specified in Section 31-1.11 of the Standard Specifications for Water and Sewer Main Construction shall be performed:
 2. Exfiltration of air under pressure:
 - a. After the construction of the sewer mains, manholes and laterals, onto the sanitary system, the municipality shall perform a low-pressure air test. Personnel will perform the air test from manhole to manhole.
 - b. Air leakage test results shall not be less than the time per inch of pipe diameter per length of sewer pipe as specified in ASTM F1417 – 11a (2015) Standard Practice for Installation Acceptance of Plastic Non-pressure Sewer Lines Using Low-Pressure Air.
 - c. If the section of sewer fails to pass the test, it shall be the Contractor's responsibility to locate the problems and make the necessary repairs.
 - d. Following the successful passage of a low-pressure air test, the Owner will assume responsibility for the operation and maintenance of the sewers with the exception of settlement of the sewer trenches.
 3. For flexible thermoplastic pipe, a deflection test shall be performed in accordance with Section 31-1.11 of the Standard Specifications for Water and Sewer Main Construction (Contractor Performed).
 4. Manholes shall be air tested for leakage by the Contractor in accordance with ASTM C1244-93, Standard Test Method for Concrete Sewer Manholes by the Negative Pressure (Vacuum) Test or most recent approved.
 5. Manhole preparation:
 - a. Plug all lift holes.
 - b. Temporarily plug all pipes entering the sewer manhole, taking care to securely brace the pipes and plugs to prevent them from being drawn into the sewer manhole.
 6. Test procedure:
 - a. The test head shall be placed at the top of the manhole in accordance with the manufacturer's recommendations.
 - b. A vacuum of 10 in. Hg shall be drawn on the manhole, the valve on the vacuum line of the test head closed, and the vacuum pump shut off. The time shall be measured for the vacuum to drop to 9 in. Hg.

- c. The manhole shall pass if the time for the vacuum reading to drop from 10 in. Hg to 9 in. Hg meets or exceeds the values indicated in Table 1 of ASTM Designation C 1244 (see below).

**TABLE 1 from ASTM Designation: C 1244
Minimum Test Times for Various Manhole Diameters in Seconds**

Depth (ft)	Diameter, in.									
	30	3	3	4	4	5	6	66	72	
	Time, in seconds									
8	11	1	1	1	2	2	2	29	33	
10	14	1	1	2	2	2	3	36	41	
12	17	1	2	2	3	3	3	43	49	
14	20	2	2	3	3	4	4	51	57	
16	22	2	3	3	4	4	5	58	67	
18	25	2	3	3	4	5	5	65	73	
20	28	3	3	4	5	5	6	72	81	
22	31	3	3	4	5	6	7	79	89	
24	33	3	4	5	5	6	7	87	97	
26	36	3	4	5	6	7	8	94	105	
28	39	4	4	5	6	8	9	10	113	
30	42	4	5	6	7	8	9	10	121	

- d. If the manhole fails the test, the Contractor shall make necessary repairs and retest the manhole. Repairs must be repeated until the manhole passes the test.
 - e. If manhole joint sealants are pulled out during the vacuum test, the manhole must be disassembled and the joint sealants replaced.
 - f. Manholes will also be subject to visual inspection with all visual leaks being repaired.
- I. Sewer Pipe and Water Main Separation:
 - J. Horizontal and Vertical Separation of Gravity Sewers from Water Mains shall be in accordance with Section 41-2.01 of the Standard Specification for Water and Sewer Main Construction in Illinois.

METHOD OF MEASUREMENT

760-4.1

The footage of pipe to be paid for shall be the number of linear feet of pipe in place, completed, and approved to be measured along the centerline of the pipe from end of pipe to a tee. All fittings shall be included in the footage as typical pipe sections in the pipeline being measured.

All fittings, caps or plugs required for pipe installed will not be paid for separately, but shall be considered incidental to the pipe.

Cleanouts will not be paid for separately, but shall be considered incidental to the pipe.

Connections to existing manhole structures will be measured and paid for separately.

Aggregate Backfill required for pipe installed under proposed or future pavements will not be paid for separately, but shall be considered incidental to the pipe.

All cleaning inspection and testing for pipe installed will not be paid for separately, but shall be considered incidental to the pipe.

BASIS OF PAYMENT

760-5.1

The contract unit price per linear foot for sewer pipe and per each existing manhole connections shall be full payment for furnishing and installing all materials, and for all excavation, earth backfill, granular cradle, select granular backfill placement, compaction, pipe connections and surface grading; and for all labor, equipment and tools necessary to complete this item of the size and type to the satisfaction of the Engineer.

Payment will be made under:

Item AR770506 – 6" Sanitary Sewer, per linear foot.

Item AR770701 – Sanitary Sewer Connection, per each.

ITEM 910 – SIGNAGE

MATERIALS

910-.1 HANDICAP SIGN

Provide signs and sign post as shown on the construction drawings.

CONSTRUCTION METHODS

910-3.1 INSTALLATION

Install sign post and signs per the details on the construction drawings.

METHOD OF MEASUREMENT

910-4.1

The accessible parking sign to be paid for each sign in place, completed, and approved.

BASIS OF PAYMENT

910-5.1

Payment will be made under:

Item AR910230 – Handicap Sign, per each.

APPENDIX 1
Requirements for Cold Weather Concreting
-Policy Memorandum 2001-1
8 Pages

State of Illinois
Department of Transportation
Division of Aeronautics

POLICY MEMORANDUM

January 1, 2004	Springfield, Illinois	Number: 2001-1
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TO: CONTRACTORS

SUBJECT: REQUIREMENTS FOR COLD WEATHER CONCRETING

I. PURPOSE

- A. This policy memorandum outlines the minimum requirements for cold weather concreting. Cold weather is defined as whenever the average ambient air temperature during day or night drops below 40°F.

II. COLD WEATHER CONCRETING PLAN

- A. The contractor shall submit a cold weather concreting plan to the Engineer for approval. Cold weather concreting operations are not allowed to proceed until the contractor's cold weather concreting plan has been approved by the Engineer.
- B. The contractor's plan shall be in compliance with this memorandum and shall address, as a minimum, the following:
1. Concrete Mix Manufacturing
 2. Concrete Mix Temperature Monitoring
 3. Base Preparation
 4. Concrete Curing and Protection
 5. In Place Concrete Temperature Monitoring
 6. Strength Test Specimens

III. MINIMUM REQUIREMENTS

A. Concrete Mix Manufacturing

1. The contractor must make the necessary adjustments so that the concrete temperature is maintained from 50°F to 90°F for placement. Acceptable methods include:
 - a) Heating the mixing water Note: If the mixing water is to be heated to a temperature above 100°F, the contractor must include a mixing sequence plan to indicate the order that each component of the mix is to be charged into the mixer.

- b) Heating the aggregates Note: The exact method of heating the aggregates shall be included as part of the cold weather concreting plan. Aggregates must be free of ice and frozen lumps. To avoid the possibility of a quick or flash set of the concrete, when either the water or aggregates are heated to above 100°F, they should be combined in the mixer first before the cement is added.

B. Concrete Mix Temperature

1. The contractor shall monitor the mix temperature at the plant and prior to placement in the forms. Mix that does not meet the temperature requirement of 50°F to 90°F shall be rejected for use on the project.

C. Base Preparation

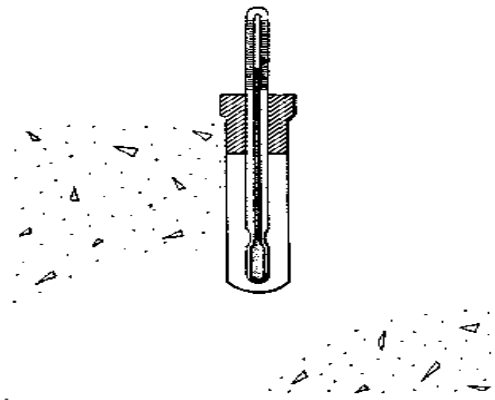
1. Paving or placing concrete on a frozen base, subbase, or subgrade is prohibited.
2. The base, subbase, or subgrade on which the concrete is to be placed shall be thawed and heated to at least 40°F. The method by which the base subbase or subgrade is to be heated shall be indicated in the contractor's cold weather concreting plan. Insulating blankets or heated enclosures may be required.

D. Concrete Protection and Curing

1. In addition to the curing options available in article 501-3.17 (a) (b), (c), and (d) of the Standard Specifications for Construction of Airports, the contractor shall protect the concrete in such a manner as to maintain a concrete temperature of at least 50°F for 10 days.
2. The method of concrete protection shall be by use of insulating layer or heated enclosure around the concrete. The method of protection shall be indicated in the contractor's cold weather concreting plan. When insulating layers are to be used, the thermal resistance to heat transfer (R Value in °F*hr*ft²/BTU) of the insulation material selected, shall be appropriate for the slab thickness being constructed and shall be indicated in the cold weather concreting plan.
3. Appendix A shows a chart and table taken from the American Concrete Institute specification, ACI 306 R Cold Weather Concreting, which may be used by the contractor in selecting the proper insulation (R Value) and insulating material which may be used.

E. In-Place Concrete Temperature Monitoring

1. Once the concrete is in place, the protection method used, must ensure that the concrete temperature does not fall below 50°F for the time period specified in Section (D. 1.) of this Policy Memorandum (10 days).
2. The concrete temperature on the surface and below the surface must be monitored and recorded by the contractor for the duration of the protection period in Section (D. 1.).
3. After the concrete has hardened, surface temperature can be checked with special surface thermometers or with an ordinary thermometer that is kept covered with insulating blankets. The high and low values for each 24-hour period of protection must be measured and recorded.
4. One acceptable method of checking temperature below the concrete surface is given in the Portland Cement Association (PCA) book entitled "Design and Control of Concrete Mixtures" latest edition. The method is indicated below and it should be noted that the thermometer should be capable of recording high and low values for a given 24-hour period.



5. The exact method for surface and sub-surface concrete temperature monitoring shall be indicated in the contractor's cold weather concreting plan. The maximum permissible difference between the interior and surface temperature is 35 °F. Adjustments in protection method shall be implemented if the maximum permissible difference is exceeded.

F. Strength specimen handling

1. The Contractor is responsible for making, transporting, and curing all samples (beams or cylinders)
2. The Contractor is required to load the testing machine and dispose of the broken pieces.
3. Onsite, indoor curing facilities, meeting the requirements of ASTM C-31, shall be required for cold weather concreting operations.

4. Sampling for strength specimens shall be according to the Contract Special Provisions. Sampled concrete shall be transported to the indoor curing facilities for the casting of strength specimens.
5. The exact location and description of the curing facilities shall be indicated in the contractor's cold weather concreting plan.
6. The method of transporting concrete sampled from the grade to the curing facilities for casting shall be indicated in the contractor's cold weather concreting plan.

Steven J. Long, P.E.
Acting Chief Engineer

Supersedes Policy Memorandum 2001-1 dated January 1, 2001

APPENDIX A

Minimum exposure temperatures for concrete flatwork placed on the ground for concrete placed & surface temperature maintained at 50 F (10 C) for 3 days on ground at 35 F (2 C)

Slab thickness, in. (m)	Minimum ambient air temperature, deg F (deg C) allowable when insulation having these values of thermal resistance R, hr-ft ² -F/Btu (m ² -K/W), is used			
	R = 2 (0.35)	R = 4 (0.70)	R = 6 (1.06)	R = 8 (1.41)
Cement content = 300 lb/yd ² (178 kg/m ²)				
4 (0.10)	*	*	*	*
8 (0.20)	*	*	*	*
12 (0.31)	*	*	*	*
18 (0.46)	42 (6)	38 (3)	32 (0)	26 (-3)
24 (0.61)	37 (3)	25 (-4)	11 (-12)	-3 (-19)
30 (0.76)	31 (-1)	15 (-9)	-1 (-18)	-17 (-27)
36 (0.91)	31 (-1)	12 (-11)	-5 (-21)	-22 (-30)
Cement content = 400 lb/yd ² (237 kg/m ²)				
4 (0.10)	*	*	*	*
8 (0.20)	*	*	*	*
12 (0.31)	46 (8)	44 (7)	42 (6)	40 (4)
18 (0.46)	36 (2)	22 (-6)	8 (-13)	-6 (-21)
24 (0.61)	28 (-2)	9 (-13)	-10 (-23)	-29 (-34)
30 (0.76)	21 (-6)	0 (-18)	-21 (-29)	-42 (-41)
36 (0.91)	21 (-6)	-4 (-20)	-29 (-34)	-50 (-46)
Cement content = 500 lb/yd ² (296 kg/m ²)				
4 (0.10)	*	*	*	*
8 (0.20)	*	*	*	*
12 (0.31)	42 (6)	36 (2)	30 (-1)	24 (-4)
18 (0.46)	30 (-1)	12 (-11)	-6 (-21)	-22 (-30)
24 (0.61)	21 (-6)	-5 (-21)	-31 (-35)	-50 (-46)
30 (0.76)	16 (-9)	-10 (-23)	-42 (-41)	-74 (-59)
36 (0.91)	16 (-9)	-18 (-28)	-50 (-46)	#
Cement content = 600 lb/yd ² (356 kg/m ²)				
4 (0.10)	*	*	*	*
8 (0.20)	*	*	*	*
12 (0.31)	38 (3)	26 (-3)	14 (-10)	2 (-17)
18 (0.46)	24 (-4)	0 (-18)	-24 (-31)	-48 (-44)
24 (0.61)	14 (-10)	-16 (-27)	-46 (-43)	-82 (-63)
30 (0.76)	10 (-12)	-20 (-29)	-62 (-52)	#
36 (0.91)	7 (-14)	-30 (-34)	#	#

* > 50 F (10 C): additional heat required

<< -60 F (-51 C)

Minimum exposure temperatures for concrete flatwork placed on the ground for concrete placed & surface temperature maintained at 50 F (10 C) for 7 days on ground at 35 F (2 C)

Slab thickness, in. (m)	Minimum ambient air temperature, deg F (deg C) allowable when insulation having these values of thermal resistance R, hr-ft ² -F/Btu (m ² -K/W), is used			
	R = 2 (0.35)	R = 4 (0.70)	R = 6 (1.06)	R = 8 (1.41)
Cement content = 300 lb/yd ² (178 kg/m ²)				
4 (0.10)	*	*	*	*
8 (0.20)	*	*	*	*
12 (0.31)	*	*	*	*
18 (0.46)	46 (8)	42 (6)	36 (2)	30 (-1)
24 (0.61)	40 (4)	31 (-1)	22 (-6)	11 (-12)
30 (0.76)	35 (2)	22 (-6)	7 (-14)	-8 (-22)
36 (0.91)	31 (-1)	13 (-11)	-5 (-21)	-23 (-31)
Cement content = 400 lb/yd ² (237 kg/m ²)				
4 (0.10)	*	*	*	*
8 (0.20)	*	*	*	*
12 (0.31)	*	*	*	*
18 (0.46)	41 (5)	32 (0)	22 (-6)	12 (-11)
24 (0.61)	35 (2)	19 (-7)	-1 (-17)	-15 (-26)
30 (0.76)	28 (-2)	8 (-13)	-14 (-26)	-36 (-38)
36 (0.91)	23 (-5)	-4 (-20)	-29 (-34)	-54 (-48)
Cement content = 500 lb/yd ² (296 kg/m ²)				
4 (0.10)	*	*	*	*
8 (0.20)	*	*	*	*
12 (0.31)	48 (9)	44 (7)	40 (4)	36 (2)
18 (0.46)	36 (2)	22 (-6)	8 (-13)	-6 (-21)
24 (0.61)	28 (-2)	6 (-14)	-16 (-27)	-38 (-39)
30 (0.76)	22 (-6)	-7 (-22)	-36 (-38)	-64 (-53)
36 (0.91)	16 (-9)	-18 (-28)	-50 (-46)	#
Cement content = 600 lb/yd ² (356 kg/m ²)				
4 (0.10)	*	*	*	*
8 (0.20)	*	*	*	*
12 (0.31)	44 (7)	38 (3)	32 (0)	26 (-3)
18 (0.46)	31 (-1)	14 (-10)	-5 (-21)	-24 (-31)
24 (0.61)	22 (-6)	-5 (-21)	-32 (-36)	-61 (-52)
30 (0.76)	14 (-10)	-19 (-28)	-67 (-55)	#
36 (0.91)	7 (-14)	-30 (-34)	#	#

* > 50 F (10 C): additional heat required

< -60 F (-51 C)

Thermal Resistance of Various Insulating Materials

Insulating Material	Thermal resistance "R" for these thicknesses of material*	
	1 in., hr·ft ³ ·F / Btu	10 mm, m ³ ·K / W
Boards and slabs		
Expanded polyurethane (R-11 exp.)	6.25	0.438
Expanded polystyrene extruded (R-11 exp.)	5	0.347
Expanded polystyrene extruded, plain	4	0.277
Glass fiber, organic bonded	4	0.277
Expanded polystyrene, molded beads	3.57	0.247
Mineral fiber with resin binder	3.45	0.239
Mineral fiber board, wet felted	2.94	0.204
Sheathing, regular density	2.63	0.182
Cellular glass	2.63	0.182
Laminated paperboard	2	0.139
Particle board (low density)	1.85	0.128
Plywood	1.25	0.087
Blanket		
Mineral fiber, fibrous form processed from rock, slag, or glass	3.23	0.224
Loose fill		
Wood fiber, soft woods	3.33	0.231
Mineral fiber (rock, slag, or glass)	2.5	0.173
Perlite (expanded)	2.7	0.187
Vermiculite (exfoliated)	2.2	0.152
Sawdust or shavings	2.22	0.154

*Values from ASHRAE Handbook of Fundamentals, 1977, American Society of Heating, Refrigerating, and Air-Conditioning Engineers, New York.

APPENDIX 2

Item 610, Structural Portland Cement Concrete:
Job Mix Formula Approval & Production Testing
-Policy Memorandum 96-1
2 Pages

State of Illinois
Department of Transportation
Division of Aeronautics

POLICY MEMORANDUM

April 1, 2010

Springfield

Number 96-1

TO: CONSULTING ENGINEERS

SUBJECT: ITEM 610, STRUCTURAL PORTLAND CEMENT CONCRETE:
JOB MIX FORMULA APPROVAL & PRODUCTION TESTING.

- I. This policy memorandum addresses the Job Mix Formula (JMF) approval process and production testing requirements when Item 610 is specified for an airport construction contract.
- II. PROCESS
 - a. The contractor may submit a mix design with recent substantiating test data or he may submit a mix design generated by the Illinois Division of Highways with recent substantiating test data for approval consideration. The mix design should be submitted to the Resident Engineer.
 - b. The Resident Engineer should verify that each component of the proposed mix meets the requirements set forth under Item 610 of the *Standard Specifications for Construction of Airports* and/or the contract special provisions.
 - c. The mix design should also indicate the following information:
 1. The name, address, and producer/supplier number for the concrete.
 2. The source, producer/supplier number, gradation, quality, and SSD weight for the proposed coarse and fine aggregates.
 3. The source, producer/supplier number, type, and weight of the proposed flyash and/or cement.
 4. The source, producer/supplier number, dosage rate or dosage of all admixtures.
 - d. After completion of Items b and c above, the mix with substantiating test data shall be forwarded to the Division of Aeronautics for approval. Once the mix has been approved, the production testing shall be at the rate in Section III as specified herein.

III. PRODUCTION TESTING

- a. One set of cylinders or beams, depending on the strength specified, shall be cast for acceptance testing for each day the mix is used. In addition, at least one slump and one air test shall be conducted for each day the mix is used. If more than 100 c.y. of the mix is placed in a given day, additional tests at a frequency of 1 per 100 c.y. shall be taken for strength, slump, and air. The concrete shall have a maximum slump of three inches (3") and minimum slump of one inch (1") when tested in accordance with ASTM C-143. The air content of the concrete shall be between 5% and 8% by volume. At no time shall the temperature of the concrete exceed 90 degrees Fahrenheit.
- b. If the total proposed amount of Item 610 Structural Portland Cement Concrete as calculated by the Resident Engineer is less than 50 c.y. for the entire project, the following shall apply:
 - The Resident Engineer shall provide calculations of the quantity of Item 610 to the Division of Aeronautics.
 - One set of cylinders or beams, depending on the strength specified, shall be cast for acceptance testing.
 - One air content and one slump test shall be taken for acceptance testing.
 - The concrete shall have a maximum slump of three inches (3") and minimum of one inch (1") when tested in accordance with ASTM C-143. The air content of the concrete shall be between 5% and 8% by volume. At no time shall the temperature of the concrete exceed 90 degrees Fahrenheit.
- c. The Resident Engineer shall collect actual batch weight tickets for every batch of Item 610 concrete used for the project. The actual batch weight tickets shall be kept with the project records and shall be available upon request of the Department of Transportation.

Steven J. Long, P.E.
Acting Chief Engineer

Supersedes Policy Memorandum 96-1 dated January 1, 2004

APPENDIX 3
Pavement Marking Paint Acceptance
-Policy Memorandum 97-2
2 Pages

State of Illinois Department of
Transportation Division of
Aeronautics

POLICY MEMORANDUM

December 3, 2020

Springfield, Illinois

Number 97-2

TO: CONSULTING ENGINEERS

SUBJECT: PAVEMENT MARKING PAINT AND GLASS BEADS ACCEPTANCE

I. SCOPE

The purpose of this policy memorandum is to define the procedure for acceptance of pavement marking paint and glass beads.

II. RESIDENT ENGINEER'S DUTIES

The Resident Engineer shall follow the acceptance procedure outlined as follows:

- A. Require the contractor to furnish the name of the paint and glass beads manufacturer, IDOT Test I.D. number and the Batch/Lot number proposed for use prior to beginning work. Notify the I.D.A. Materials Certification Engineer when this information is available.
- B. Require the manufacturer's certification before painting begins. Check the certification for compliance to the contract specifications.
 1. The certification shall be issued from the manufacturer and shall include the specification and the batch number.
 2. The paint containers shall have the manufacturer's name, the specification and the batch number matching the certification.
- C. If no batch number is indicated on the certification or containers, sample the paint according to the procedure for the corresponding paint type.
- D. If the I.D.A. Engineer of Materials indicates that batch number has not been previously sampled and tested, sample the paint according to the procedure for the corresponding paint type. The Division of Aeronautics will provide paint cans upon request by the Resident Engineer. Samples will only be taken in new epoxy lined cans and lids so that the paint will not be contaminated. It is important to seal the sample container immediately with the paint can lid to prevent the loss of volatile solvents.

Mark the sample cans with the paint color, manufacturer's name, and batch number. The paint samples and manufacturer's certification shall be placed in the mail or delivered within 24 hours after sampling. Address or deliver the samples to the Material's Certification Engineer at:

Illinois Department of Transportation
Division of Aeronautics
One Langhorne Bond Drive
Springfield, Illinois 62707

Sampling Procedures for Each Paint Type:

1. Waterborne or Solvent Base Paints
 - a. A sample consists of one-pint cans taken per batch number. Before drawing samples, the contents of the component's container must be thoroughly mixed to make certain that any settled portion is fully dispersed.
 - b. Be sure to indicate to the contractor that acceptance of material is based upon a passing test of the paint material.
2. Epoxy Paint
 - a. Take separate one-pint samples of each paint component prior to marking. Before drawing samples, the contents of each component's container must be thoroughly mixed to make certain that any settled portion is fully dispersed. **Do not combine the two components or sample from the spray nozzle.**
 - b. Be sure to indicate to the contractor that acceptance of material is based upon a passing test of the paint material.

III. TESTING

The paint will be tested for acceptance by the IDOT Bureau of Materials and Physical Research for conformance to the contract specifications.

Alan D. Mlacnik, P.E.
Bureau Chief of Airport Engineering

Supersedes policy memorandum 97-2 dated June 22, 2018

APPENDIX 4
Illinois Department of Transportation
Storm Water Pollution Prevention Plan (SWPPP)
6 Pages



Storm Water Pollution Prevention Plan

Route N/A
 Section Quincy Regional Airport
 County Adams

Marked N/A
 Project No. UIN-5025

This plan has been prepared to comply with the provisions of the NPDES Permit Number ILR10, issued by the Illinois Environmental Protection Agency for storm water discharges from Construction Site Activities.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

 Signature

 CMI Airport Manager
 Title

 Date

1. Site Description

- a. The following is a description of the construction activity which is the subject of this plan (use additional pages, as necessary):

The City of Quincy and the Illinois Department of Transportation – Division of Aeronautics propose to construct a new general aviation ramp and roadway at Quincy Regional Airport. The overall project includes the construction of a new aviation hangar with associated sitework improvements.

- b. The following is a description of the intended sequence of major activities which will disturb soils for major portions of the construction site, such as grubbing, excavation and grading (use additional pages, as

The improvements will consist of the following: Site grading and drainage, constructing new concrete and asphalt pavement, pavement marking, installing new lighting and underground utility and electric cabling. All disturbed areas will be turfed at the completion of the project.

- c. The total area of the construction site is estimated to be **10±** acres.

The total area of the site that it is estimated will be disturbed by excavation, grading or other activities **8±** acres.

- d. ~~The estimated runoff coefficients of the various areas of the site after construction activities are completed are contained in the project drainage study which is hereby incorporated by reference in this plan. Information describing the soils at the site is contained either in the Soils Report for the project, which is hereby incorporated by reference, or in an attachment to this plan.~~
- e. The design/project report, hydraulic report, or plan documents, hereby incorporated by reference, contain site map(s) indicating drainage patterns and approximate slopes anticipated after major grading activities, areas of major soil disturbance, the location of major structural and nonstructural controls identified in the plan, the location of areas where stabilization practices are expected to occur, surface waters (including wetlands), and locations where storm water is discharged to a surface water.
- f. ~~The names of receiving water(s) and areal extent of wetland acreage at the site are in the design/project report or plan documents which are incorporated by reference as a part of this plan.~~

2. Controls

This section of the plan addresses the various controls that will be implemented for each of the major construction activities described in 1.b. above. For each measure discussed, the contractor that will be responsible for its implementation is indicated. Each such contractor has signed the required certification on forms which are attached to, and a part of, this plan:

a. Erosion and Sediment Controls

- (i) Stabilization Practices. Provided below is a description of interim and permanent stabilization practices, including site-specific scheduling of the implementation of the practices. Site plans will ensure that existing vegetation is preserved where attainable and disturbed portions of the site will be stabilized. Stabilization practices may include: temporary seeding, permanent seeding, mulching, geotextiles, sod stabilization, vegetative buffer strips, protection of trees, preservation of mature vegetation, and other appropriate measures. Except as provided in 2.a.(i).(A) and 2.b., stabilization measures shall be initiated as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased on all disturbed portions of the site where construction activity will not occur for a period of 21 or more calendar days.
 - (A) Where the initiation of stabilization measures by the 14th day after construction activity temporarily or permanently ceases is precluded by snow cover, stabilization measures shall be initiated as soon as practicable thereafter.

Description of Stabilization Practices (use additional pages, as necessary):

1. **Temporary Stabilization** - In areas of new soil embankments, existing vegetation, silt fence, ditch checks, and inlet protection will serve to intercept the waterborne silts and prevent it from entering the storm drain system or leaving the site.
2. **Permanent Stabilization** - All areas disturbed by construction operations will be stabilized with permanent seeding and mulching following final grading. Sod will be placed along the airfield pavements to dissipate runoff velocity and stabilize shoulders. See plan sheets.
 - **Sodding** - Stabilization of fine-grained disturbed areas by laying a continuous cover of grass sod. The purposes of this practice are to prevent erosion and damage from sediment by stabilizing the soil surface and to improve the visual quality and utility of the area quickly.

- (ii) **Structural Practices.** Provided below is a description of structural practices that will be implemented, to the degree attainable, to divert flows from exposed soils, store flows or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Such practices may include silt fences, earth dikes, drainage swales, sediment traps, check dams, subsurface drains, pipe slope drains, level spreaders, storm drain inlet protection, rock outlet protection, reinforced soil retaining systems, gabions and temporary or permanent sediment basins. The installation of these devices may be subject to Section 404 of the Clean Water Act.

Description of Structural Practices (use additional pages, as necessary):

- **Inlet Protection - In-place before all earthmoving activities to prevent waterborne silts from entering the existing storm drain system. The purpose of this practice is to help prevent sediment from entering storm drains until the contributing watershed is stabilized and allows early use of the storm drainage system.**

b. Storm Water Management

Provided below is a description of measures that will be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. The installation of these devices may be subject to Section 404 of the Clean Water Act.

- (l) Such practices may include: storm water detention structures (including wet ponds); storm water retention structures; flow attenuation by use of open vegetated swales and natural depressions; infiltration of runoff on site; and sequential systems (which combine several practices).

None anticipated.

Velocity dissipation devices will be placed at discharge locations and along the length of any outfall channel as necessary to provide a non-erosive velocity flow from the structure to a water course so that the natural physical and biological characteristics and functions are maintained and protected (e.g., maintenance of hydrologic conditions, such as the hydroperiod and hydrodynamics present prior to the initiation of construction activities).

- (ii) Description of Storm Water Management Controls (use additional pages, as necessary):

None anticipated.

c. Other Controls

- (i) **Waste Disposal.** No solid materials, including building materials, shall be discharged into Waters of the State, except as authorized by a Section 404 permit.
- (ii) The provisions of this plan shall ensure and demonstrate compliance with applicable State and/or local waste disposal, sanitary sewer or septic system regulations.
- (iii) Prevent offsite tracking of sediments and generation of dust. Stabilized construction entrances or vehicle washing racks should be installed at locations where vehicles leave the site. Where dust may be a problem, implement dust control measures such as irrigation.

d. Approved State or Local Plans

The management practices, controls and provisions contained in this plan will be in accordance with IDOT specifications, which are at least as protective as the requirements contained in the Illinois Environmental Protection Agency's Illinois Urban Manual, 1995. Procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials shall be described or incorporated by reference in the space provided below. Requirements specified in sediment and erosion site plans or site permits or storm water management site plans or site permits approved by local officials that are applicable to protecting surface water resources are, upon submittal of an NOI to be authorized to discharge under permit ILR10 incorporated by reference and are enforceable under this permit even if they are not specifically included in the plan.

Description of procedures and requirements specified in applicable sediment and erosion site plans or storm water management plans approved by local officials:

Not applicable.

3. Maintenance

The following is a description of procedures that will be used to maintain, in good and effective operating conditions, vegetation, erosion and sediment control measures and other protective measures identified in this plan (use additional pages, as necessary):

During construction, the contractor shall:

- **Clean up, stabilize and grade work area to eliminate concentration of runoff.**
- **Maintain or replace erosion control items as directed by the Airport or Resident Engineer.**

All maintenance of erosion control systems will be the responsibility of the contractor. All locations where vehicles enter and exit the construction site and all other areas subject to erosion should also be inspected periodically. Inspection of these areas shall be made at least once every seven days and within 24 hours of the end of each 0.5 inches or greater rainfall, or an equivalent snowfall.

Contractor shall follow inspection procedures as described in the Inspections section below. The contractor's responsibility shall end *after* final acceptance of the project.

4. Inspections

Qualified personnel shall inspect disturbed areas of the construction site which have not been finally stabilized, structural control measures, and locations where vehicles enter or exit the site. Such inspections shall be conducted at least once every seven (7) calendar days and within 24 hours of the end of a storm that is 0.5 inches or greater or equivalent snowfall.

- a. Disturbed areas and areas used for storage of materials that are exposed to precipitation shall be inspected for evidence of, or the potential for, pollutants entering the drainage system. Erosion and sediment control measures identified in the plan shall be observed to ensure that they are operating correctly. Where discharge locations or points are accessible, they shall be inspected to ascertain whether erosion control measures are effective in preventing significant impacts to receiving waters. Locations where vehicles enter or exit the site shall be inspected for evidence of off-site sediment tracking.
- b. Based on the results of the inspection, the description of potential pollutant sources identified in section 1 above and pollution prevention measures identified in section 2 above shall be revised as appropriate as soon as practicable after such inspection. Any changes to this plan resulting from the required inspections shall be implemented within 7 calendar days following the inspection.
- c. A report summarizing the scope of the inspection, name(s) and qualifications of personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of this storm water pollution prevention plan, and actions taken in accordance with section 4.b. shall be made and retained as part of the plan for at least three (3) years after the date of the inspection. The report shall be signed in accordance with Part VI. G of the general permit.
- d. If any violation of the provisions of this plan is identified during the conduct of the construction work covered by this plan, the Resident Engineer or Resident Technician shall complete and file an "Incidence of Noncompliance" (ION) report for the identified violation. The Resident Engineer or Resident Technician shall use forms provided by the Illinois Environmental Protection Agency and shall include specific information on the cause of noncompliance, actions which were taken to prevent any further causes of noncompliance, and a statement detailing any environmental impact which may have resulted from the noncompliance. All reports of noncompliance shall be signed by a responsible authority in accordance with Part VI. G of the general permit.

The report of noncompliance shall be mailed to the following address:

Illinois Environmental Protection Agency
Division of Water Pollution Control
Attn: Compliance Assurance Section
1021 North Grand East
Post Office Box 19276
Springfield, Illinois 62794-9276

5. Non-Storm Water Discharges

Except for flows from fire fighting activities, sources of non-storm water that is combined with storm water discharges associated with the industrial activity addressed in this plan must be described below. Appropriate pollution prevention measures, as described below, will be implemented for the non-storm water component(s) of the discharge. (Use additional pages as necessary to describe non-storm water discharges and applicable pollution control measures).

Not applicable.



Contractor Certification Statement

This certification statement is a part of the Storm Water Pollution Prevention Plan for the project described below, in accordance with NPDES Permit No. ILR10, issued by the Illinois Environmental Protection Agency on May 14, 1998.

Project Information: Realign and Widen Taxiway C

Route N/A

Marked N/A

Section Quincy Regional Airport

Project No. UIN-5025

County Adams

I certify under penalty of law that I understand the terms of the general National Pollutant Discharge Elimination System (NPDES) permit (ILR 10) that authorizes the storm water discharges associated with industrial activity from the construction site identified as part of this certification.

Signature

Date

Title

Name of Firm

Street Address

City IL
State

Zip Code

Telephone Number