

# **GENERAL SPECIFICATIONS**

2014 CDBG  
Ashville Street Improvements

## General Specifications

The work for the 2014 CDBG Ashville Street Improvements is to be completed by **November 15, 2014**.

The contractor is required to attend a preconstruction meeting at least one week prior to the start of any work. At this time a schedule shall be submitted to the City as well as any coordination issues that need addressed. A list of emergency contact numbers is to be provided to the City. The contractor is required to call OUPS and identify any potential conflicts with existing underground utilities.

The Village reserves the right to add and/or delete quantities.

ODOT Item 448 Type 1 Surface (64-22) with limestone materials and Type 2 intermediate (64-22) Asphalt Concrete.

All trucks hauling asphalt to have tarps.

Note: ODOT Type 1 surface shall have limestone materials.

Use a JMF that meets all requirements established in this contract and has previously been approved for use on ODOT work. Include in the JMF the mix type proposed for use, aggregate source, type, and gradation, percentage of asphalt binder, description and source of modifier, and unit weight of mixture.

Where no previously approved JMF is available, develop one meeting all criteria established in this contract and have it reviewed and approved by an independent testing laboratory prior to submission to the city. The person performing the review for the testing lab must be of its employ and be LEVEL II Bituminous Concrete approved by ODOT.

Acceptance of the mixture will be based upon the engineer's observation that production and quality control operations are resulting in an acceptable product.

### Gutter Seal (Special Spec)

Contractor shall immediately, after street has been rolled out, apply a liberal coat of AC-20 to the asphalt-curb interface and around all castings in the surface course of asphalt. Bandwidth to be approximately four inches and applied in a neat manner. Cost of this special item to be included in surface course of asphalt (448).

### Item 604- Manhole adjusted to grade

Contractor to reset new castings either as directed or as necessary when correcting street cross-slope.

Item 609- Concrete Curb

Concrete curb is to match existing unless otherwise directed. Poured curb and gutter to have 6" Aggregate Base 304 (cost to be included in cost of curb and gutter).

Item 614- Maintaining Traffic

All work shall be done between the hours of 7am-7pm Monday through Saturday. Traffic shall be maintained at all times except that for minimum periods of time consistent with the requirements of the specifications for protection of the completed asphalt concrete courses. Work zones shall be limited in length to the amount of work that can be performed that day.

Length and duration of lane closures and restrictions shall be at the approval of the engineer. It is the intent to minimize the impact to the traveling public and residents in the area. Lane closures or restrictions over segments of the project, in which no work is anticipated within a reasonable amount of time (as determined by the engineer), shall not be permitted. The level of utilization of maintenance of traffic devices shall be commensurate with the work in progress.

No work shall be performed and all existing lanes shall be open to traffic during the following designated holidays or events:

**Holidays:**

Labor Day

**Events:**

## GENERAL CONTRACT CONDITIONS

### ARTICLE 1 - CONTRACT AND CONTRACT DOCUMENTS

- A. The project to be constructed pursuant to this contract will be financed with assistance from the Department of Housing and Urban Development and is subject to all applicable Federal laws and regulations.
- B. All applicable State laws, municipal ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the project shall apply to the contract throughout, and they will be deemed to be included in the contract the same as though herein written out in full.
- C. The Plans, Specifications and Addenda, hereinafter enumerated in Paragraph 1 of the Supplemental General Conditions shall form part of this Contract and the provisions thereof shall be as binding upon the parties hereto as if they were herein fully set forth. The table of contents, titles, headings, running headlines and marginal notes contained herein and in said documents are solely to facilitate reference to various provisions of the Contract Documents and in no way affect, limit or cast light on the interpretation of the provisions to which they refer.

### ARTICLE 2 - PERFORMANCE AND PAYMENT BONDS

Simultaneously with his/her delivery of the executed contract, the Contractor shall furnish a surety bond or bonds as security for faithful performance of this contract and for the payment of all persons performing labor on the project under this contract and furnishing materials in connection with this contract, as specified in the General Conditions included herein. The surety on such bond or bonds shall be a duly authorized surety company satisfactory to the Owner. The bond shall be for **100 percent** of the contract price. A Payment Bond and Performance Bond are required. Attorneys-in-fact who sign bid bonds or contract bonds must file with each bond a certified and effectively dated copy of their power of attorney. Under certain conditions, and within the limits of State and local laws and regulations, the Owner may waive the requirement that the Payment and Performance Bond be underwritten by a surety company and may authorize in lieu thereof, a personal bond backed by a letter of credit from a local lending institution for the full value of the Contract. In some cases the Owner may hold the bid bond as the performance bond if they so desire.

### ARTICLE 3 - WAGE RATES

In the event that the rate of wages paid for any trade or occupant in the locality where such work is being performed are under current collective agreements or understandings between bona fide organizations of labor and employer, then the wages to be paid shall be not less than such agreed wage rates, nor less than the minimum rates compiled by the Federal Labor Standard Provision. **A copy of these prevailing rates of wages has been included in these specifications.**

Every Contractor and Subcontractor who is subject to this contract shall, as soon as he/she begins performance under his/her contract with the Owner, supply the Owner a schedule of the dates on which he/she is required to pay wages to employees. He/She shall also deliver to the prevailing wage coordinator within three weeks after each pay date, a certified copy of his/her payroll which shall exhibit for each employee paid any wages, name, current address, social security number, number of hours worked each day of the pay period and the total for each week, hourly rate of pay, job classification, fringe payments, and deductions from wages. The certification of each payroll shall be executed by the Contractor, Subcontractor, or duly executed by the Contractor, Subcontractor, or duly appointed agent thereof and shall recite that the payroll is correct and complete and that the wage rate shown is not less than those required by the contract.

**Insofar as possible, local labor shall be employed on this work.**

### ARTICLE 4 - AFFIRMATIVE ACTION

Each bidder, Contractor or Subcontractor (hereinafter the Contractor) must fully comply with either Part 1 or Part 11,

as applicable, of Executive Order 1246 as stated on page G-3 during the performance of this contract or subcontract. The Contractor commits itself to the goals for minority manpower utilization in either Part 1 or Part 11, as applicable, and all other requirements, terms and conditions of those bid conditions by submitting a properly signed bid.

The Contractor shall appoint a company executive to assume the responsibility for the Implementation of the requirements, terms and conditions of these bid conditions.

## ARTICLE 5 - INSURANCE

- A. The Contractor shall not commence work under this Contract until he has obtained all the insurance required hereunder and such insurance has been approved by the Owner, nor shall the Contractor allow any Subcontractor to commence work on his subcontract until all similar insurance required of the Subcontractor has been so obtained and approved. Approval of the insurance by the Owner shall not relieve or decrease the liability of the Contractor hereunder.
- B. The Contractor shall file with the Owner all Certificate(s) of Insurance as are necessary to document the insurance coverage required hereunder, subject to the approval of the Owner and receipt of any additional forms/documentation requested, prior to final execution of the Agreement Contract and issuance of the Notice to Proceed.
- C. Worker's Compensation
- All contractors and subcontractors shall acquire and maintain, during the term of the Contract, Worker's Compensation insurance in full compliance with the laws of the state of Ohio.
- D. Contractor's Liability Insurance
- i. The Contractor shall acquire and maintain during the term of the Contract Bodily Injury and Property Damage Liability Insurance under a standard Comprehensive General/Automobile Liability Policy which shall provide and include coverage on all Contractor's Operations, Contractor's Protective (Sublet) Liability, Contractual Liability, Completed Operations Liability, Owned Automobiles and Non-owned and Hired Automobiles.
  - ii. Property Damage Liability Insurance shall be provided on any demolition, blasting, excavating, shoring or similar operation on an "if any" basis.
  - iii. Bodily Injury Liability limits shall be for an amount of no less than Two Hundred Fifty Thousand (\$250,000) Dollars for injuries, including wrongful death to any one person and subject to the same limit for each person, in an amount of not less than Five Hundred Thousand (\$500,000) Dollars on the account of any one occurrence.
  - iv. Property Damage Liability insurance shall be in an amount of not less than One Hundred Thousand (\$100,000) per occurrence. General Liability shall be extended to provide "Broad Form Property Damage Liability," and in an amount of not less than One Million (\$1,000,000) Dollars aggregate for damage on account of all occurrences.
  - v. Any combination of underlying Comprehensive General/Automobile Liability coverage with Umbrella/Excess Liability coverage which provides no less than One Million (\$1,000,000) Dollars Single Limit Bodily Injury and Property Damage Liability Insurance for the Contractor will also be acceptable.
  - vi. The Owner may adjust the liability limits to coincide with local government procurement policies and practice within the limits of state and local law.

E. Builder's Risk Insurance

Each Contractor shall maintain insurance to protect himself and the Owner, jointly, from loss incurred by fire, lightning, extended coverage hazards, vandalism, theft, explosion and malicious mischief in the full amount of the Contract and such insurance shall cover all labor and material connected with the work, including materials delivered to the site, but not yet installed.

F. Installation Floater Insurance

When a contractor is involved solely in the installation of materials and not in the construction of a building, an Installation Floater is required in lieu of a Builder's Risk Policy with the same general conditions applying as set forth in Paragraph E.

g. The Policies as listed above shall all contain all the following special provisions:

- i. "The Company agrees that thirty (30) days prior to cancellation or reduction of the insurance afforded by this policy with respect to the Contract involved, written notice will be mailed to the Pickaway County Commissioners, 139 West Franklin Street, Circleville, Ohio 43113."
- ii. The maintaining of such insurance as outlined herein shall in no way constitute a waiver of legal liability for damage to any adjoining buildings or their contents or the work and property of others on the site beyond the limits of insurance thus maintained. The Contractor shall hold the Owner free and harmless from any injury and damage resulting from the negligent or faulty performance of the Contract by the Contractor or by his/her Subcontractors.
- iii. Each Contractor shall hold the Owner harmless from all payments for patents, either as royalty or otherwise, in the use of materials, methods, appliances, etc., that he may be in any way involved in or connected with any part of his work or the work of his Subcontractors.
- iv. Prior to commencement of any work under Contract, the Contractor shall furnish one (1) copy of Declaration of Insurance as evidence of coverage.

## ARTICLE 6 - SAFETY

- A. The Contractor will be responsible for initiating, maintaining, and supervising all safety precautions and program in connection with the Work. He/She will take all necessary precautions for the safety of, and will provide the necessary protection to prevent damage, injury, or loss to all employees on the work and other persons who may be affected thereby, and all the work and all materials or equipment to be incorporated therein, whether in storage on or off the site, and other property at the site or adjacent thereto, including trees, shrubs, lawns, walks, pavements, roadways, structures, and utilities not designated for removal, relocation, or replacement in the course of construction.
- B. The Contractor will erect and maintain, as required by the conditions and progress of the Work, all necessary safeguards for safety protection. He/She will notify owners of adjacent utilities when prosecution of the work may affect them.
- C. The Contractor shall comply with the safety standards provisions of applicable laws, building and construction codes and the "Manual of Accident Prevention in Construction" published by the Associated General Contractors of America, the requirements of the Occupational Safety and Health Act of 1970 (Public Law 91-586), and the requirements of Title 29 of the Code of Federal Regulations, Section 1518 as published in the "Federal Register", Volume 36, No. 75, Saturday, April 17, 1971. The Chapter shall also comply with Chapter 4104.9-2 of the Ohio Revised Code prohibiting the Employment of Minors in Occupations Hazardous or

Detrimental to their health.

- D. The Contractor shall maintain at his/her office or other well known place at the job site, all articles necessary for giving first aid to the injured, and shall make standing arrangements for the immediate removal to a hospital or a doctor's care of persons (including employees) who may be injured at the job site. In no case shall employees be permitted to work at a job site before the employer has made a standing arrangement for removal of injured persons to a hospital or a doctor's care.
- E. Lights, signs and barricades shall be used to maintain traffic and safety for vehicular and pedestrian traffic during the course of this contract in accordance with the specifications.

#### **ARTICLE 7 - PERMITS**

The Contractor is responsible for obtaining and paying for all other necessary permits and licenses from the proper authorities. The Contractor shall give all notices and comply with all laws, ordinances, rules, and regulations bearing on the conduct of the work as drawn and specified. If the Contractor observes that the Contract Documents are at variance therewith, he/she shall promptly notify the Owner in writing.

#### **ARTICLE 8 - SUPERVISION**

- A. The Contractor will supervise and direct the work. He will be solely responsible for the means, methods, techniques, sequences, and procedures of construction. The Contractor will employ and maintain on the work a qualified supervisor or superintendent who shall have been designated in writing by the Contractor as the Contractor's representative at the site. The Supervisor shall have full authority to act on behalf of the Contractor and communications given to the supervisor shall be as binding as if given to the Contractor. The supervisor shall be present and on the site at all times as required to perform adequate supervision and coordination of the work.
- B. The Owner and its representatives will, at all times, have access to the work. In addition, authorized representatives and agents of any participating federal or state agency shall be permitted to inspect all work, materials, payrolls, records of personnel, invoices of materials, and other relevant data and records. The Contractor will provide proper facilities for such access and observation of the work and also for any inspection or testing thereof.
- C. The Contractor shall submit a proposed program of operation, showing clearly how he/she proposed to conduct the work as to bring about the completion of his/her work within the time limit specified. This program shall outline the proposed sequence of operations, the rates of progress and the dates when his/her work will be sufficiently advanced to permit the installation of the work under other contracts, and the estimated progress payments due under the Contract. The work under this contract shall be so scheduled that as structures are completed, they can be placed into useful operation with a minimum of delay. The program shall be subject to the approval of the Owner.
- D. All construction as proposed along all City, Township, County, State and Federal roads including storage and stockpiling of materials, is to be conducted within the limits of the public right-of-way. Bracing, sheeting and shoring shall be used to keep all construction work within the construction limits unless work agreements are secured from the adjacent property owners. It is the Contractor's responsibility to secure these work agreements, if deemed necessary. Copies of the work agreements shall be delivered to the Engineer and the Owner prior to any work beginning on the affected property.

#### **ARTICLE 9 - CLAIMS AGAINST CONTRACTOR**

The Contractor shall indemnify and save the Owner or the Owner's agents harmless from all claims growing out of the lawful demands of Subcontractor's laborers, workmen, mechanics, material men, and furnishers of machinery and parts thereof, equipment, tools, and all supplies, incurred in the furtherance of the performance of the work. The

Contractor shall, at the Owner's request, furnish satisfactory evidence that all obligations of the nature designated above have been paid, discharged, or waived. If the Contractor fail to do so, the Owner, may, after having notified the Contractor, either pay unpaid bills or withhold from the Contractor's unpaid compensation a sum of money deemed reasonably sufficient to pay any and all such lawful claims until satisfactory evidence is furnished that all liabilities have been fully discharged whereupon payment to the Contractor shall be resumed, in accordance with the terms of the contract Documents, but in no event shall the provisions of this sentence be construed to impose any obligations upon the Owner to either the Contractor, his Surety, or any third party. In paying any unpaid bills of the Contractor, any payment so made by the Owner shall be considered as a payment made under the Contract Documents by the Owner to the Contractor and the Owner shall not be liable to the contractor for any such payments in good faith.

#### **ARTICLE 10 - SUBCONTRACTING**

- A. Neither the Contractor nor the Owner shall sell, transfer, assign, or otherwise dispose of his right, title, or interest therein, or his obligations there under.
- B. The Contractor shall not sublet, sell, transfer or assign any portion of the contract without written consent of the Owner of his/her designated agent. When such consent is given, the Contractor will be permitted to sublet a portion thereof, but shall perform with his/her own organization, work amounting to no less than fifty percent of the total contract cost, except that any item designated in the contract before computing the amount of work required to be performed by the Contractor with his/her own organization. No subcontract, or transfer of contract, shall in any way release the Contractor of his/her liability under the contract and bonds.
- C. The Contractor shall not award work to Subcontractor(s) without prior written approval of the Owner, after verification by the Ohio Department of Development of the subcontractor's current eligibility status, and after submission of all certifications as required in Item 17, page B-5, of INSTRUCTIONS TO BIDDERS. The Contractor shall be fully responsible to the Owner for the acts and omissions o the subcontractor(s), and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

#### **ARTICLE 11 - CHANGE OF WORK**

- A. The Owner reserves the right to make, at any time during the progress of the work, such increases or decreases in quantities and such alterations in details of work as may be deemed necessary or desirable. Such increases or decreases and alterations shall not invalidate the contractor nor release the surety, and the Contractor agrees to perform the work as altered, the same as if it had been a part of the original contract.
- B. Authorized alterations in plans or quantities of work involving work not covered by unit prices in the proposal are paid for as stipulated in the change order authorizing such work.
- C. No changes in work covered by the approved Contract shall be made without having prior written approval of the Owner.

#### **ARTICLE 12 - TIME**

- A. The Date of beginning and the time for completion of the work are essential conditions of the Contract Documents and the work embraced shall be commenced on a date specified in the Notice to Proceed.
- B. The Contractor will proceed with the work at such rate of progress to ensure full completion within the Contract Time. It is expressly understood and agreed, by and between the Contractor and the Owner, that the Contract Time for the completion of the work described herein is a reasonable time, taking into consideration the average climatic and economic conditions and other factors prevailing in the locality of the work.
- C. The Contract Time to fully complete the project shall be **45** consecutive calendar days following the date of

commencement of work to be specified in a written "Notice to Proceed".

- D. If the Contractor shall fail to complete the work within the Contract Time, or extension of time granted by the Owner, the Contractor will pay to the Owner for liquidated damages \$75.00 for each calendar day that the Contractor shall be in default after the time stipulated in the Contract Documents.

#### **ARTICLE 13 - COMPLETION OF WORK**

- A. The Contractor shall guarantee all materials and equipment furnished and work performed for a period of one year from the date of Substantial Completion. The Contractor warrants and guarantees for a period of one year from the date of Substantial Completion of the improvement that it is free from all defects due to faulty materials or workmanship, and the Contractor shall promptly make corrections as may be necessary by reason of such defects. The Owner will give notice of observed defects with reasonable promptness. In the event that the Contractor should fail to make repairs, adjustments, or other work, which may be made necessary by such defects, the Owner may do so and charge the Contractor the cost thereby incurred. The Contract Bond shall remain in full force and effect through the guarantee period.
- B. When the work, including that performed by Subcontractors, is completed, the site shall be cleaned of all rubbish and debris caused by the construction. All sheds or other temporary structures, surplus materials, and equipment shall be removed and the project left in a neat and presentable condition.

#### **ARTICLE 14 - TERMINATION**

After ten (10) days from delivery of a Written Notice to the Contractor, the Owner may, without cause and without prejudice to any other right or remedy, elect to terminate the Contract. In such case, the Contractor shall be paid for all work executed and any expense sustained plus reasonable profit, unless such termination was due to the act or conduct of the Contractor.

#### **ARTICLE 15 - PAYMENT**

Payment to the Contractor shall be made by the Owner as follows: 50% payment when 60% complete, 90% payment when 100% complete. 10% held for 30 days and upon approval of the Pickaway County Board of Commissioners and the Village of Ashville Council.

The Owner's Representative shall certify on the pay request that the approved the completed work prior to the Owner making payment. Upon receipt of an approved progress schedule from the Contractor, the Owner shall submit a drawdown request to the Ohio Department of Development for CDBG funds to pay the contractor. A turnaround time of 20 to 30 days is expected before said funds are forwarded to the Owner.

It is important that the progress schedule be based on achievable goals, and that the Contractor makes every effort to meet target dates. The Owner may hold the process of a CDBG drawdown for only a short period. If the funds from the drawdown are not expended during the prescribed period, those funds must be returned and a new drawdown requested. This causes delay in making payments to contractors.

#### **SUPPLEMENTAL GENERAL CONDITIONS**

##### **1. ENUMERATION OF PLANS, SPECIFICATIONS AND ADDENDA**

Following are the Plans, Specifications, and a Addenda which form a part of this contract, as set forth in Article I of the General Contract Conditions, "Contract and Contract Documents".

**PROSPECTIVE BIDDERS SHALL PROVIDE EVIDENCE OF PROPER EQUIPMENT AND LABOR TO CONDUCT WORK RELATING TO THE PROJECT.**

**Drawings: (Attached)**

The attached Orthographic Exhibits prepared by Pomeroy & Associates, Ltd shall be used for this project.

- (1 of 5) Hedges Street Improvements
- (2 of 5) Poplar Street Improvements
- (3 of 5) Poplar Street Improvements
- (4 of 5) Hall Street Improvements
- (5 of 5) South Street Improvements

**Specifications:**

The Village of Ashville requirements, together with the latest edition of the Sate of Ohio Department of Transportation and the City of Columbus Construction and Material Specification, shall govern all construction items, material, workmanship, etc.. that are a part of this plan, in force on the date of contract, unless otherwise noted.

**Standard Drawings:**

None:

**Typical Sections: (Attached)**

- Detail Butt Joint (Dated 6-27-14)
- Typical Section Pavement Overlay (Dated 6-27-14)
- Detail - Chip Seal Gravel Pulloff (Dated 6-27-14)
- Regrade, Spread Topsoil, Seeding & Mulching Detail (Dated 6-27-14)

**Addenda:**

None.

2. STATED ALLOWANCES

The Contractor shall include the following cash allowances in his proposal: None

3. SPECIAL HAZARDS

4. CONTRACTOR'S AND SUBCONTRACTOR'S PUBLIC LIABILITY, VEHICLE LIABILITY, AND PROPERTY DAMAGE INSURANCE

As required under Article 5 of the General Contract Conditions, the Contractor's Public Liability Insurance and Vehicle Liability Insurance shall be in amount not less than \$500,000 for injuries, including accidental death, to any one person, and subject to the same limit for each person in an amount not less than \$500,000 on account of one accident, and Contractor's Property Damage Insurance in an amount not less than \$500,000.

The Contractor shall either (1) require each of his subcontractors to procure and to maintain during the life of his subcontract, Subcontractor's Public Liability and Property Damage of the type and in the same amounts as specified in the preceding paragraph, or (2) insure the activities of his subcontractors in his own policy.

5. PHOTOGRAPHS OF PROJECT

The Contractor will furnish photographs in the number, type, and state as enumerated below:

None required

6. SCHEDULE OF FEDERAL OCCUPATIONAL CLASSIFICATIONS AND DAVIS-BACON MINIMUM HOURLY WAGE RATES

See attached

7. BUILDER'S RISK INSURANCE

The Contractor will maintain Builder's Risk Insurance (fire and extended coverage) on a 100 percent completed value basis on the insurable portions of the project for the benefit of the Owner, the Contractor, and all subcontractors, as their interests may appear.

**Village of Ashville  
Project Specifications  
Hall, Hedges, Poplar and South Street Improvement Project**

Furnish and install the following labor and materials to resurface the existing asphalt pavement, double chip seal gravel parking areas and to seed and mulch within the right-of-way to define the on street parking areas. This work improves areas along Hedges Street, Poplar Street, Hall Street and South Street.

1. Stake right-of-way lines in the field to ensure that all construction activities are within the right of way.
2. Perform Clearing and Grubbing of the site.
3. Perform Linear Grading work on the existing gravel parking areas and grass areas along the entire length of the project.
4. Perform pavement planing operations.
5. Perform Subgrade compaction on the gravel parking areas.
6. Install Double Chip Seal in all areas delineated on the plans.
7. Place Topsoil in all proposed locations and seed and mulch
8. Perform pavement-planing operations.
9. Place Tack Coat and Geotextile Fabric on entire pavement surface.
10. Overlay entire area with 5/8" of Item 424 pavement surface course.
11. Crackseal all exposed joints.
12. Upon completion of all work, site to be cleaned to owners satisfaction.

## GENERAL NOTES

**REFERENCE:** All reference to specification numbers, unless otherwise noted, appearing in these plans shall be considered to be specification numbers, or the respective sections thereof, of the current State of Ohio, Department of Transportation, Construction and Materials Specifications.

**APPROVALS:** At or before the pre-construction conference, the contractor shall submit the following items for approval:

- 1) A list of the paving equipment that will be used on this project (Paver, Rollers, etc);
- 2) The method planned for the application of tack coat; the method planned for the application of asphalt emulsion;
- 3) A written schedule of operations;
- 4) Materials suppliers (including the type of rings to be used to adjust manholes, catch basins, etc.);
- 5) A listing of key project personnel (Project Engineer/Manager, Project Superintendent, etc.) with office, mobile phone and pager numbers to be used by the Village Engineer and staff;
- 6) A listing of subcontractors and key personnel representing each.

The Village's Engineer will respond to the items submitted within 2 weeks. If an item is not approved the Contractor will have 2 weeks from the time of notification to resubmit the item for approval.

**CONTINGENCY QUANTITIES:** The Contractor shall not order materials or perform work designated by plan note to be used "as directed by the Engineer" unless authorized by the Engineer. The actual work locations and quantities used for such items shall be incorporated into the next change order for the project.

The following items have been set aside to be used "as directed by the Engineer" and have been carried to the general summary:

Item 202, Pavement Removed and Disposed of	50 Sq. Yd.
Item 252, Pavement Repair, As Per 1441 Type 1	5 Cu. Yd.
Item 411, Stabilized Crushed Aggregate	76 Cu. Yd.

### **PROCEDURES FOR OPERATIONS:**

All work associated with this contract shall be performed between the hours of 8:00 a.m. to 5:00 p.m. Monday through Friday. Notice of Saturday work shall require 24 hours notice (on a week per week basis) and must be approved by the Engineer.

If conditions are acceptable, daily work hours may be extended at the approval of the Engineer. No work shall be permitted on Sundays without written permission from the Engineer. The Contractor shall notify the Engineer a minimum of 48 hours prior to the start of any operations related to this contract. If the Contractor suspends any operation on this contract for more than 3 working days (excluding holidays and weekends), the Contractor shall notify the Engineer a minimum of 48 hours prior to resuming operations. The Contractor may also make scheduling arrangements with the Engineer prior to suspending work, but the Contractor will be responsible for notifying the Engineer of any changes to these arrangements.

These requirements are to be followed by the general contractor and any sub-contractor on this project.

#### **PAVEMENT WIDTHS:**

Pavement widths shown in the plans are approximate. The pavement shall be resurfaced to the a width determined by the Engineer in the field. The Engineer and the Contractor shall inspect the road prior to beginning the resurfacing operation, to determine the width to be paved.

If the contractor's operation is unable to produce an accurate and consistent edge, the Contractor may be directed by the Engineer to use a string line when placing all asphalt courses.

#### **FEATHERING:**

At points where the proposed work begins or ends at intersections, the final asphalt course shall be feathered to meet the existing roadway surface as directed by the Engineer. On streets to be resurfaced this feathering shall be 1 inch per 10 feet and shall be contained within the limits of work described in the plans or as directed by the Engineer.

#### **JOINTS:**

Longitudinal joints shall not be permitted, however, when a cold joint is unavoidable its vertical face shall be uniformly coated with bituminous material as per sections 401.15 and 404.15 of the ODOT specifications. All costs related to performing this work shall be included in the unit price bid for Item 424 Fine Graded Polymer Asphalt Concrete.

#### **SEALING FEATHERS AND BUTT JOINTS:**

A well-bonded and sealed joint is required. As directed by the Engineer and in areas where the new asphalt surface is required to be feathered to meet an adjoining surface, excluding private driveways, the completed feathered surface and adjacent existing surface shall be

coated with a thin coat of asphalt cement, AC-20, approximately one (1) foot in width. This also applies to areas where butt joints are required.

Traffic shall not be permitted on the sealed joint until the asphalt cement has cooled sufficiently to prevent tracking. Sanding of the sealed area with black sand will be required to prevent tracking.

The bituminous material used and the cost of sealing joints as described above shall be included in the unit price bid for 424 Fine Graded Polymer Asphalt Concrete.

**DRIVEWAYS:**

Throughout the duration of the project the Contractor shall maintain ingress and egress at all driveways at all times.

**PAVING REOUREMENTS:** The use of automatic screed and slope controls are encouraged. Tamping bars and vibrating screeds on the paver shall be operated at all times when the thickness of the asphalt concrete material exceeds 1/2 inch.

**ROLLERS:**

Rollers shall be only of the steel wheel type and pneumatic tire types, meeting the minimum requirements of Section 401.11 of the specifications. The maximum capacities of the rollers shall be 700 square yards per hour for three (3) wheel, tandem and Type II pneumatic rollers, and 1,000 square yards per hour for Type I pneumatic rollers. The use of vibratory rollers will not be permitted.

When the tonnage production per hour requires the use of three (3) rollers the rollers shall be used in the following sequence:

- 1) A three (3) wheeled steel roller for breakdown
- 2) A pneumatic tire roller for intermediate
- 3) A steel wheeled tandem roller for the finish rolling.

When the air temperature is below 60°F, in lieu of the pneumatic tire roller and at the Engineer's direction, a steel wheeled tandem finish roller shall be used.

When only two (2) rollers are required a three (3) wheeled steel roller followed by a tandem steel roller shall be used.

**ITEM 203 LINEAR GRADING, AS PER PLAN:**

This item includes the grading of existing gravel parking areas in preparation for a chip seal

treatment. The alleys shall be graded with a grader or maintainer to smooth out the existing profile, remove vegetation, remove any top soil within the resurfacing area and to provide a level cross slope by removing any crown or wheel ruts. The parking areas shall be graded so they do not block drainage and will generally have a finished profile grade that is not higher than the existing.

**ITEM 254-PAVEMENT PLANING, BITUMINOUS, AS PER PLAN:**

This work shall conform to ODOT Item 254 - Pavement Planing Bituminous with the following exceptions. The areas calling for pavement planing are approximate. The Contractor and the Engineer shall inspect all locations for planing to determine the depth and the area of wearing course to remove. *All planed areas shall be paved within fourteen (14) calendar days except as directed or permitted by the Engineer.*

Vertical edges shall be ramped with cold mix asphalt, as directed by the Engineer, to provide a safe and smooth transition from planed pavement to existing pavement (this shall be at a minimum slope of 12:1) or in some areas to provide driveway access. This material shall be removed before resurfacing courses are placed. All work required to place, maintain, and remove, and all costs to supply material to provide ramps shall be included in the unit price bid for Item 254 - Pavement Planing, Bituminous.

Planing width called for at the pavement edge shall be six (6) feet in width measured from the edge of the pavement and sloped from a depth of 0" at 6' from the pavement edge to a depth of 5/8" at the edge of pavement (See detail sheets for locations). This work will be paid for at the unit price bid for Item 254 - Pavement Planing, Bituminous (Variable Depth - 6' Wide).

Butt joints shall be constructed as shown on the attached typical drawing or as directed by the Engineer. This work will be paid for at the unit price bid for Item 254 - Pavement Planing, Bituminous (Variable Depth - 6' Wide). Care shall be taken to mill a uniform joint along existing driveways and paved parking areas so as not to disturb the existing asphalt. Planing at intersections will consist of following the edge of the existing pavement around the radius.

Payment for Item 254 - Pavement Planing, Bituminous (Variable Depth - 6' Wide) shall include all labor, materials, equipment and incidentals required to perform the stated work. Payment will be made at the unit price bid for Item 254 - Pavement Planing, Bituminous (Variable Depth - 6' Wide).

**ITEM 614, TRAFFIC MAINTENANCE:**

The Contractor shall provide and maintain lights, signs and barricades for the protection of

the work and the safety and convenience of the traveling public as shown in these plans or as directed by the Engineer. The Contractor shall be responsible to provide traffic control devices for this operation as described in the current edition of the Ohio Manual of Uniform Traffic Control Devices (OMUTCD), these plans or as directed by the Engineer. The cost of all materials, labor and incidentals required for the installation, maintenance, replacement and removal of these devices shall be included in the unit price bid for Item 614 Maintaining Traffic.

**ITEM 644, STOP LINE, 20" WHITE:**

This item shall conform to ODOT Item 644 specifications. All materials shall be ODOT approved. A manufacturer's representative shall be on site at the beginning of the pavement marking operations to insure proper application of materials.

Application shall conform to ODOT Item 644 specifications for thermoplastic pavement markings with the following exceptions:

<u>Pavement Marking</u>	<u>Widths</u>
Stop Lines	20"

The Contractor shall lay out the locations of all lines, to assure their proper placement. The Engineer shall approve the layout and premarking lines before marking operations are started.

Payment shall include all labor, equipment, materials and incidentals necessary to complete the above work.

**ITEM 659, SEEDING AND MULCHING, AS PER PLAN:**

This item shall include all work necessary for regrading the area shown on the plan exhibits, including removal and disposal of soil, street sign removal and reinstallation and surface restoration. All seeding and mulching shall be hydro seed type or equal.