

Lakeland Staff Parking Lot
LDC Specifications

The Prices BID shall include the following:

All labor, materials, tools, equipment, mobilization, and transportation necessary for the proper execution of the WORK in accordance with the CONTRACT DOCUMENTS.

The Contractor is responsible for payment of all construction staking required for this project. All Construction staking shall be done by LDC, Inc., d.b.a. Land Design Consultants. The Contractor is responsible for coordination. The CONTRACTOR shall be responsible for protecting and preserving the reference points established by the OWNER and shall make no changes or relocations without the prior written permission of the ENGINEER.

The CONTRACTOR shall be responsible to pay for LDC, Inc. for restaking required to reestablish the project reference points and construction stakes, due to lost or destroyed stakes caused by his or his subcontractor's negligence.

The CONTRACTOR shall report to the ENGINEER whenever any reference point is lost or destroyed or required relocation because of necessary changes in grades or locations.

All assistance required by the ENGINEER to verify compliance with the CONTRACT DOCUMENTS, including measuring for quantities.

All labor and equipment necessary to keep the project site free from all trash and debris.

Inspection shall be performed by LDC, Inc., a representative of the OWNER at a fee of \$400.00 per normal 8 hour day. Overtime shall be at 1.5 times the hourly rate. Inspection costs shall be included in the unit BID prices included in this CONTRACT.

The OWNER shall require daily inspection on the site improvement portion of the project for the duration of time which the work is progressing. It shall be the CONTRACTOR's responsibility to schedule for this inspection service directly with the OWNER or its designee, and also be responsible for the cost thereof.

The Owner will not pay for any increases in oil, fuel, steel or materials costs on this project.

Each BIDDER is required to state in the BID, the owner's name and place of residence and the names of all persons interested with him; in case of a corporation, the names of the president and secretary shall be given. This listing shall include, but not be limited to all corporate officers and Board of Directors.

Each BIDDER will execute and submit a Non-collusion Affidavit.

Each BIDDER will execute and submit the declaration regarding Material Assistance / Non-Assistance to a Terrorist Organization in accordance with R.C. 2909.33.

No BIDDER shall be considered a responsive and responsible bidder or eligible to be awarded the contract to which this Notice or BID Specifications apply if the bidder is listed on the Auditor of State's Database as having a Finding of Recovery as that term is defined in R.C. 9.24 and unless the BIDDER has completed certification that BIDDER is in compliance with R.C. 3517.13.

THE ENGINEER WILL NOT RESPOND TO QUESTIONS ON THIS PROJECT DURING THE FINAL 72 HOURS PRECEEDING THE BID OPENING.

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The ENGINEER is: LDC, Inc., 9025 Osborne Drive, Mentor, OH 44060
(440) 255-8463
Contact : William C. Vondra, P.E., P.S.

THE BOARD OF LAKELAND COLLEGE TRUSTEES are exempt from any sales or use taxes imposed by the State of Ohio and/or the United States Government. Therefore, all BIDS shall reflect the savings that the BIDDER will realize by obtaining tax exempt status. Exemption certificates will be certified upon request by any prospective BIDDER.

The CONTRACTOR will be required to submit a work schedule prior to the award of the Contract. Work schedule shall include dates for delivery of materials to the site; when CONTRACTOR will move equipment to the site; when actual construction will begin; and when the project will be completed.

ITEM STM-1 CLEARING AND GRUBBING

This work consists of clearing, grubbing, scalping, removing trees and stumps, and removing all vegetation and construction debris from the limits shown on the plans necessary for the contractor to install the storm improvements as shown on the Plan, except such objects that are to remain or are to be removed according to other items of work.

Remove or save all trees, shrubs, and plants designated on the plans. Preserve all vegetation and objects not designated for removal.

Observe requirements for handling and transporting of regulated articles in quarantined areas as defined by the Ohio Department of Agriculture (<http://www.ohioagriculture.gov/eab>).

The following are considered regulated articles and are subject to the quarantine established by the Ohio Department of Agriculture:

- Deciduous trees of any size.

- Deciduous limbs and branches

- Any cut non-coniferous (non-evergreen) firewood.

- Deciduous tree bark and deciduous tree wood chips larger than 1 inch (25 mm).

- Deciduous logs and lumber with the bark, outer inch of sapwood, or both attached.

- Any item made from or containing deciduous tree wood capable of spreading Emerald Ash Borer.

- Any means of conveyance capable of spreading Emerald Ash Borer.

Clear and grub all trees and stumps in the work areas as necessary for installation of the storm improvements shown on the improvement plans and all surface objects, brush, roots, and other protruding obstructions not designated to remain, except for special treatments listed below:

A. In locations to be seeded, remove stumps at least 6 inches (150 mm) below ground surface.

B. Limit the movement of regulated articles as follows:

- Do not move regulated articles out of a quarantined area unless they are treated

- Do not move regulated articles out of Ohio to any other state or from Indiana, Illinois, and the Lower Peninsula of Michigan into Ohio.

- Movement into and within the Ohio quarantined area is permitted.

C. Use one of the four accepted treatments prior to movement of the regulated articles:

- Debarking plus removal of 1/2 inch (12 mm) of sapwood.

- Chipping to less than 1 inch (25 mm).

- Fumigating according to USDA treatment schedule (contact USDA, 1-866-325-0023).

- Kiln drying according to USDA treatment schedule (contact USDA, 1-866-325-0023).

Follow all other federal and state EAB quarantines.

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Item	Unit	Description
STM-1	Lump Sum	Clearing and Grubbing

STM-2 Rough Grading / Earthwork Pond Area

This Item shall include all necessary excavation, embankment, and grading to shape the areas within the retention area to the grades shown on the improvement drawings. Topsoil shall not be used in the embankment. Contractor is responsible for removing or supplementing from offsite the necessary materials to prepare the area to the grades as shown. Compaction shall be to minimum 98%.

Item	Unit	Description
STM-2	Lump Sum	Rough Grading / Earthwork Pond Area

STM-3 Fine Grading

This Item shall include all necessary operations to hand rake all areas to be seeded and removal all roots, sticks, stones larger than 1/2" in all areas to be seeded. Topsoil is to also be included in this item to produce a minimum depth of 1" of topsoil seed bed.

The topsoil shall be screened and shall not contain more than 40% clay in that portion passing a No. 10 sieve and shall contain not less than 5% nor more than 20% organic matter as determined by the loss on ignition of samples oven dried at 249 degrees Fahrenheit to a constant weight.

Screened topsoil means that all particles of the topsoil shall pass through 1/2" by 1/2" square opening. The topsoil shall be free of all grass, weeds, roots, sticks, stones (larger than 1/4 inch) and other debris are to be removed.

The pH of the screened topsoil shall be between 6.2 to 6.5.

The CONTRACTOR shall have the soil tested to determine the optimum fertilizer requirements, which shall then be applied. Test Results must be submitted to the Engineer for review and approval prior to placement of materials.

Topsoil shall be spread to a depth of a minimum of 1", but not less than the surrounding topsoil depth, over the entire area to be seeded, unless otherwise specified by the ENGINEER. Topsoil shall be placed during dry weather and on dry unfrozen subgrade.

Scarify compacted subbase to a two inch depth to bond topsoil to subsoil. Cultivate inaccessible areas by hand. Compact topsoil by rolling. Rake until surface is smooth and free of all foreign matter.

Grade to eliminate rough spots and low areas where ponding may occur. Maintain a smooth, uniform grade and provide positive drainage.

Item	Unit	Description
STM-3	Lump Sum	Fine Grading

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STM – 4 LINEAR GRADING

This item is to include all operations necessary to create the swales as shown on the improvement drawings on the westerly and southerly sides of the parking lot. Contractor is responsible for disposal of materials. Area is to be included in fine grading operations included in ITEM STM-3 above.

Item	Unit	Description
STM-4	Lump Sum	LINEAR GRADING

STM-5 8” RIGID STORM SEWER (Hillside)

This item is to include all operations necessary to install a 8” Rigid Storm sewer from the manhole to the outlet as shown on the improvement plan. Material to be PVC SDR 35 or ADS N-12 RIGID HDPE or approved equal. Bedding to be to one foot over the pipe with #57 Limestone and per plan detail. Grading over the storm sewer to be included in this item. Fine Grading and Seeding to be included those items. Contractor responsible for clearing under the STM-1 as necessary for proper installation. Contractor responsible for disposal of excess materials from excavation.

Payment based on horizontal measurement of length of final installation.

Item	Unit	Description
STM-5	LF	8” Rigid Storm Sewer (Hillside)

STM-6 8” Rigid Perforated Underdrain (Pavement Area)

This item includes all operations necessary for the proper installation of the rigid perforated pipe underdrain in the existing lot area. Work includes all neat saw cuts, removal and disposal of pavement, installation of 8” Rigid Perforated Pipe (SDR-35 or ADS N-12 or approved equal) in accordance with the plan locations and grades, backfilling using #57 Limestone to the pavement base and replacement of the pavement with ODOT 301 Bituminous aggregate base to the current surface level. This shall be done whether doing paving option #1 or option #2.

Payment based on horizontal measurement of length of final installation.

Item	Unit	Description
STM-6	LF	8” Rigid Perforated Underdrain (Pavement Area)

STM-7 8” Rigid Perforated Underdrain (Basin Area)

This item includes all operations necessary for the proper installation of the rigid perforated pipe underdrain in the basin area. Work includes installation of 8” Rigid Perforated Pipe (SDR-35 or ADS N-12 or approved equal) in accordance with the plan locations, details, and grades. Contractor responsible for disposal of excess materials from excavation.

Payment based on horizontal measurement of length of final installation.

Item	Unit	Description
STM-7	LF	8” Rigid Perforated Underdrain (Basin Area)

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STM-8 8" Rigid Header Pipe (Pavement Area)

This item includes all operations necessary for the proper installation of the rigid non-perforated header pipe in the existing lot area. Work includes all neat saw cuts, removal and disposal of pavement, installation of 8" Rigid Perforated Pipe (SDR-35 or ADS N-12 or approved equal) in accordance with the plan locations and grades, backfilling using #57 Limestone to the pavement base and replacement of the pavement with ODOT 301 Bituminous aggregate base to the current surface level. This shall be done whether doing paving option #1 or option #2.

All fittings are to be manufactured fittings for the materials used for the 8" Header and 8" Underdrain.

Payment based on horizontal measurement of length of final installation.

Item	Unit	Description
STM-8	LF	8" Rigid Header Pipe (Pavement Area)

STM-9 6" Rigid Underdrain

This item includes all operations necessary for the proper installation of the rigid perforated pipe outside of the pavement areas. Work includes installation of 6" Rigid Perforated Pipe (SDR-35 or ADS N-12 or approved equal) in accordance with the plan locations, details, and grades.

Contractor responsible for disposal of excess materials from excavation.

Payment based on horizontal measurement of length of final installation.

Item	Unit	Description
STM-9	LF	6" Rigid Perforated Underdrain

STM-10 ODOT 2-3 CATCH BASIN

This item includes all operations necessary to install an ODOT 2-3 Catch Basin at the location and grades shown on the improvement drawings and details. Contractor to supply shop drawings of structure showing grades, inverts, and casting to be used for approval prior to delivery and installation.

Item	Unit	Description
STM-10	EA	ODOT 2-3 Catch Basin

STM-11 18" Diameter Yard Drain

This item includes all operations necessary to install an 18" Diameter Yard Drain at the location and grades shown on the improvement drawings and details.

Item	Unit	Description
STM-11	EA	18" Diameter Yard Drain

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STM-12 HEADWALL

This Item includes all operations necessary to install an ODOT HW-D Headwall at the end of the 8" PVC Outlet. Unit may be pre-cast or cast in place.

Item	Unit	Description
STM-12	EA	Headwall

STM-13 ROCK CHANNEL PROTECTION

This item includes all operation necessary to place Rock Channel protection in accordance with ODOT Item 601 at the headwall outlet as shown on the Design plan. Filter Fabric underlayment is included in this Item.

Item	Unit	Description
STM-13	CY	Rock Channel Protection

STM-14 Erosion Control

This item shall include the installation and maintenance, through acceptance of the seeding of the erosion control measures as shown on the improvement drawings. These include silt fencing and basin protection.

Item	Unit	Description
STM-14	LS	Erosion Control

STM-15 Seeding and Mulching

This item shall include all necessary grading; fine grading; testing for fertilization; fertilization; preparation of the seed bed; topsoil; seeding and mulching; watering; mowing operations; clean up and all other expenses whether specifically mentioned or not to install the seeding and mulching as described herein and as shown on the PLANS. All grass seed shall be free from noxious weeds, grade A recent crop, cleaned, and treated with appropriate fungicide at the time of mixing. The percentages of the seed mixture shall be by weight as follows:

S-21 Certified Kentucky Bluegrass	35%
Pennlawn Fescue	25%
Manhattan II Ryegrass	40%

The application rate of grass seed mixes shall be sown at a mixture of 6 pounds per 1000 square feet. Hydroseeding is approved. When seed is applied hydraulically, a combined slurry of fertilizer, grass seed, and wood cellulose fiber mulch shall be applied in one operation.

The operation of seed sowing shall not be performed when the ground is frozen or muddy, or when the soil or weather conditions would prevent the proper soil preparation and subsequent operations as specified. Apply water with a fine spray immediately after each area has been sown. The CONTRACTOR shall be responsible for watering the newly seeded lawn for a minimum period of 30 calendar days after sowing.

All newly sown areas shall be maintained by the CONTRACTOR. Maintain work areas as long as necessary, this includes watering, fertilizing, weeding, trimming and other operations such as rolling, regrading, replanting and three mowings, to establish a uniformly close stand of grass cover over the entire lawn area.

Mow lawn areas during the period of maintenance to a height of 2 inches whenever the height of the grass becomes 3 inches. A minimum of 3 mowings is required during the maintenance period.

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A uniformly close stand of grass is defined as the seeded areas having 90% coverage at 60 days after seeding. 90% + coverage is defined as very little or no dirt showing when the seeded area is viewed from directly overhead.

All seeding performed between October 15 and March 15 shall be considered temporary seeding.

Payment will be made at one time for the entire project, as specified above, seeded at the lump price BID for ALL areas disturbed, for seeding and mulching installed complete when all areas seeded are alive, growing and in good health as specified above.

All settled and eroded new lawn areas shall be filled, regraded, and reseeded. The seeding will not be accepted unless it is alive and healthy.

Replacements required because of vandalism or other causes beyond control of the CONTRACTOR are not part of the contract.

All seeded areas shall be guaranteed for one full growing season to commence on final acceptance of the areas.

Item	Unit	Description
STM-15	LS	Seeding and Mulching
STM-16	LS	Watering
STM-17	EA	Mowing

WLK-1 Demolition of Existing Sidewalk

Work includes all necessary operations for the removal and disposal of the existing stepped walk and handrail located in the northeasterly quadrant of the existing staff lot. Safety fencing shall be installed to surround this work zone and is to be included in this item.

Item	Unit	Description
WLK-1	LS	Demolition of Existing Concrete Sidewalk
WLK-2	LS	Disposal of Existing Sidewalk and Handrail

WLK-3 FINE GRADING

Work includes all operations necessary to fine grading the area on either side of the new concrete walk area. Topsoil shall be added as necessary to transition the new walk to the surrounding grade as necessary. Material and specification in ITEM STM-3 applies to this item.

Item	Unit	Description
WLK-3	LS	Fine Grading Walk Area

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WLK-4 4" Minimum #9 Compacted Limestone

Work includes all operations necessary to adjust the grade of the existing walk subgrade to conform to the slope of the proposed concrete walk. Material to be in accordance with ODOT specifications for #9 Limestone. Material to be compacted with a vibratory taper. A minimum of 4" should be placed. Item includes all necessary materials required.

Item	Unit	Description
WLK-4	LS	4" Minimum #9 Compacted Limestone

WLK-5 Restoration / Seeding

Work includes all operations necessary to restore disturbed area adjacent to the new concrete walkway. Seeding operation is to be in conformance with ITEM STM-15, STM-16 and STM-17 above. The quantity published reflects a 5 foot width on both sides of the walkway. Disturbance outside this area is to be restored at the Contractor's cost.

Item	Unit	Description
WLK-5	SY	Restoration/ Seeding

WLK-6 6" Concrete Walk

Work includes all operations necessary to install a 6" thick Concrete Walk as show on the improvement drawings and details. Concrete to be 4000 psi. Surface to be hand trowel finish. Joints are to be hand trowel not saw cut. Edge on each side to have rolled brick pattern. Parking lot end to be set level with new asphalt overlay height. Joints to be spaced equally along the walk and shall not be greater than 10 feet. Excess water **shall not** be added to the delivered mix. Surface to be sealed with a rolled on curing compound on the surface and exposed edges.

Surface micro cracking due to excess water in the mix is not acceptable.

Item	Unit	Description
WLK-6	SF	6" Concrete Walk

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Parking Lot Painting and Signage

Work includes all operations necessary, including layout, to paint the final parking stalls on the surface of the new asphalt as shown on the improvement drawings. Paint to be in conformance with ODOT 642. Stalls are typical 9' x 18'. Payment to be per stall. Paint Color to be white. Stripes to be 4" width.

Handicapped symbols to be in accordance with Ohio Manual of Uniform Traffic Controls Devices (OMUTCD). Symbols to be white in color. Payment is per each.

Painted gore areas are to be 4" wide white lines. Payment is per square foot area.

Existing Handicapped signs are to be relocated as shown on the plans. Payment is per each. Mounting heights shall be in conformance with OMUTCD.

The OWNER will evaluate bids with and without these items, as the owner may elect to do these operations themselves, or piggy back this lot with painting of other lots.

PNT-1	EA	Painted Parking Stalls
PNT-2	EA	Handicapped Symbol
PNT-3	EA	Remove/Relocate Existing Handicapped Signage
PNT-4	SF	Painted Gore Areas

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PAVEMENT REPAIRS OPTION #1

This option includes repairs to the existing surfaces, fabric overlay, and 2" asphalt surface coarse. Repairs to underdrain system trenches are included in those items.

PAV-1.1 LONGITUDINAL CRACK REPAIR

This item is to include all operations necessary to mill long cracks to a depth of 2", width of 12 ft, and replace the milled area with ODOT 301 Bituminous Aggregate base. All surfaces to be tack coated. An ALLOWANCE of 900 square feet has been set up to address this ITEM. Contractor and Engineer to determine the extent of this operation onsite, to stay within the budgeted quantity.

Item	Unit	Description
PAV 1.1	SF	Longitudinal Crack Repair (ALLOWANCE)

PAV-1.2 FULL DEPTH PAVEMENT REPAIR

This item includes all operations necessary to markout, saw cut, removal damaged asphalt, disposal, and replace the damaged area with ODOT 301 Bituminous aggregate base to the depth of the surrounding pavement. All surfaces to receive tack coat. A minimum of 4" of #57 limestone base should exist. If the base, in the repair area is less than this contractor to excavate and/or supplement this material which shall be included in this bid price. Repair areas are designated on the plan sheets based on the state of the pavement when this project was designed. Contractor and Engineer to markout areas for removal to insure staying within the budgeted quantities prior to start of removal. Contractor to supply paint and measuring wheel.

Payment to be based on final repair measurements.

Item	Unit	Description
PAV 1.2	SF	Full Depth Pavement Repairs

PAV-1.3 MILLED BUTT JOINTS

This item shall include all operation necessary to mill sufficient material adjacent to existing walks and driveways to insure that these areas receive the fill 2" asphalt overlay thickness. Contractor is responsible for disposal of milled materials.

Item	Unit	Description
PAV 1.3	LUMP	Milled Butt Joints

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PAV-1.4 TACK COAT

This item shall include all operations necessary to place a uniform tack coat over the entire pavement surface prior to placement of the geotextile. Placement shall be done so in a manner to control tracking by the paving operations. Tack coat shall be applied at a rate of 0.30 gallons per square yard to insure proper saturation of the geosynthetic. Material to be in conformance with ODOT Item 407 and applied at a temperature of between 300 and 350 degrees F. Distribution vehicle to have working gauge to measure contents of truck before and after application.

Pavement cleaning is included in this item. Care should be taken to assure an area one foot outside the pavement to be sprayed has been cleared of all loose and foreign material by sweeping and blowing.

Item	Unit	Description
PAV 1.4	Gallon	Tack Coat

PAV-1.5 SCRATCH COAT OF LOW SPOTS

This item shall include all operations necessary to markout and scratch a thin layer of asphalt in low or flat areas to insure positive flow in the surface course. An ALLOWANCE of 100 CY has been set up for this ITEM. Material to be in conformance with ODOT 424 Type A.

Item	Unit	Description
PAV 1.5	CY	Scratch Coat of Low Spots

PAV-1.6 FABRIC OVERLAY

This item includes all operations necessary to properly place a geosynthetic overlay over the existing pavement surface prior to the surface coat being installed. Material is to be installed by mechanical means to keep tension on the fabric and prevent wrinkling of the fabric during placement. Fabric to have a one (1) foot overlap at all seams. Fabric to be installed in a fashion to prevent pull up by paving and delivery vehicles.

Material to be a non-woven geotextile with the following minimum properties:

Grab Tensile Strength	90lbs
Elongation	60% minimum
Trapezoidal Tear	40 lbs
Puncture	65 lbs
Mullen Burst	160 psi
Weight	4 min. oz/sy
Thickness	45 mills min.
Asphalt Retention	0.2 gal/sy

Pay quantity shall be based on the total surface area installed negating overlap.

Item	Unit	Description
PAV 1.6	SY	Fabric Overlay

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PAV-1.7 **2" Asphalt Surface Coarse**

This item includes all operations necessary to provide a minimum 2" layer of asphalt meeting , type ODOT 448 Asphalt Surface Coarse, Type 1 PG 76-22 within the project limits. Surface to be tightly graded. Edges to be tamped around the perimeter. Operation to be done in such a manner to insure that the joints between passes are tightly compacted.

Pay quantity shall be based on the total cubic yard placed. Contractor to supply mix design and tonnage to cubic yardage conversion.

There are no multipliers for cost increases in this contract.

Item	Unit	Description
PAV 1.7	CY	2" Asphalt Surface Coarse

PAV-1.8 **Repair / Replacement of Traffic Gate Signal Loops**

This item includes all necessary operations to maintain, repair, replace the 4 signal loop detectors at the gate entrance and exit. The Owner is concerned that the planned overlay will negate operation of these loops. This price shall include all coordination necessary to insure that when the project is complete the loops will function. This may include full replacement of the loops and the bid price shall reflect this potential. If the loops do not require replacement this item will be non-performed.

Item	Unit	Description
PAV 1.8	LS	Repair/Replacement of Traffic Gate Signal Loops

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PAVEMENT REPAIRS OPTION #2

This option includes in place, full depth, recycling of the existing pavement and 2" asphalt surface coarse. Repairs to underdrain system trenches are included in those items.

PAV-2.1 Recycling Engineered Mix Design and Testing

This Item includes hiring of an Ohio licensed Professional Engineer to take core samples for testing, perform the necessary laboratory testing, and determine a mix design for the current pavement for the recycling operation to determine the necessary emulsions or engineered emulsions necessary to create a base structure, PRIOR to Asphalt overlay with a SN = 2.0. Pavement core samples where taken to determine depth of pavement and depth of aggregate only. This information is included in this bid package. Engineer is also to be present during recycling operation. Design is to be sealed and submitted for approval.

Item	Unit	Description
PAV-2.1	LS	Recycling Engineered Mix Design and Testing

PAV-2.2 Full Depth Pavement Recycling

This item includes all necessary operations to perform full depth pavement recycling of the existing parking lot in conformance with the approved submitted design from ITEM PAV-2.1. It is assumed that the full depth recycling process will be to a minimum depth of 5". This work also includes all grading of the surface to accept the proposed 2" asphalt surface overlay. Contractor to provide information on all equipment to be used for this operation and said equipment shall be fully capable of pulverizing the material to the proper gradation required in PAV-2.1

Payment is based on existing Surface area in SY

Item	Unit	Description
PAV-2.2	SY	Full Depth Pavement Recycling

PAV-2.3 Grading of Surface at existing Pavement and Walks

This item is similar to ITEM PAV-1.3 above. The recycled surface shall be milled/graded at the abutting surfaces so that the full 2" surface overlay can be placed.

Item	Unit	Description
PAV-2.3	LS	Grading of Surface at existing Pavement and Walks

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PAV-2.4 **2" Asphalt Surface Coarse**

This item includes all operations necessary to provide a minimum 2" layer of asphalt meeting , type ODOT 448 Asphalt Surface Coarse, Type 1 PG 76-22 within the project limits. Surface to be tightly graded. Edges to be tamped around the perimeter. Operation to be done in such a manner to insure that the joints between passes are tightly compacted.

Pay quantity shall be based on the total cubic yard placed. Contractor to supply mix design and tonnage to cubic yardage conversion.

There are no multipliers for cost increases in this contract.

THIS ITEM ALSO INCLUDES PRIME COAT/TACK COAT OF RECYCLED SURFACE IF NECESSARY.

Item	Unit	Description
PAV 2.4	CY	2" Asphalt Surface Coarse

PAV-2.5 **Replacement of Traffic Gate Signal Loops**

This item includes all necessary operations to replace the 4 signal loop detectors at the gate entrance and exit. As this section will be recycled the loops will be damaged. This price shall include all coordination necessary to install new loops and insure that when the project is complete the loops will function properly.

Item	Unit	Description
PAV-2.5	LS	Replacement of Traffic Gate Signal Loops