

CITY OF WADSWORTH, OHIO
SPECIFICATIONS FOR STREET DEPARTMENT MATERIALS AND SERVICES

MATERIALS

M-1 - LIMESTONE

All limestone proposed to be furnished shall conform to the specifications of the Ohio Department of Transportation Construction and Material Specification 2008 for the various sizes and grades. Washed stone, when bid, shall be washed in clean water so as to remove dust and other objectionable foreign materials and shall be crushed to the correct gradation.

All prices are to be for stone in various sizes, loaded in trucks at the Yard or delivered to the City of Wadsworth. Should the successful bidder be unable, at any time, to furnish suitable material, the City reserves the right to obtain said material at whatever site said suitable material is available.

M-2 - ASPHALT MATERIALS

All asphalt material proposed to be furnished shall meet the latest specifications as set forth by the Ohio Department of Transportation Construction and Material Specification for the various grades and types of material as proposed.

The prices bid shall be per gallon or ton delivered to 311 Broad Street, Wadsworth, Ohio, and the prices bid at the Bidder's plant or yard to be picked up by City of Wadsworth. Quantities are to be delivered as needed.

The material specification for each item shall be as follows.

448 Asphalt Concrete Intermediate – ODOT CSM 2008, Item 441 Type 2 Intermediate Medium Traffic, PG 64-22

448 Asphalt Concrete Surface Course - ODOT CSM 2008, Item 441 Type 1 Surface, Medium Traffic, PG 64-22

402 - ODOT CSM 1997, Item 402

404 - ODOT CSM 1997, Item 404

412 - ODOT CSM 1997, Item 412

M-3 - STORM SEWER PIPE

All storm sewer pipe to be furnished shall conform to A.S.T.M. Specifications for the various sizes for Corrugated HDPE smooth interior pipe. Also in this item shall be a bid for Stainless Steel Bands such as Fernco or equal and a bid to connect the appropriate HDPE pipe together with a HDPE band suitable for the type of pipe bid..

All prices are to be for pipe loaded in City trucks or delivered to the City of Wadsworth/ Should the successful Bidder be unable, at any time, to furnish suitable material, the City reserves the right to obtain said material at whatever site said suitable material is available.

M-4 – TOPSOIL MATERIALS

Furnish double shredded and screened topsoil in accordance with Ohio Department of Transportation Construction and Material Specification Item 653.02, as per plan. Topsoil shall be loose, friable, loamy material without admixture of subsoil or refuse. The fraction passing the No. 10 sieve shall not contain more than 40% clay. The topsoil shall consist of not less than 4 percent and not more than 20 percent organic matter as determined by loss on ignition of samples oven dried to constant weight at 212 ° F (100 ° C). Furnish topsoil that is free of grass, glass, metals, brush, and roots.

Price bid shall be given for pick up or delivered in TON or CY.

CONCRETE

C-1 CLASS C CONCRETE

All concrete proposed to be furnished shall conform to the specifications of the Ohio Department of Transportation 2008 Construction and Material Specification Item 499 for Class C Concrete except as modified herein. Concrete shall reach a compressive strength of 4000 psi at 28 days using No. 57 limestone and a maximum water-cement ratio of 0.50%. **No fly ash will be permitted in the mix.**

The price bid shall be the delivered price per cubic yard to Wadsworth, Ohio. Any and all additional charges shall be stated on the bid form (small load, delivery, demurrage, etc.). Any additional charges will be declined at the time of invoicing if not included with the bid.

C-2 LOW STRENGTH MORTAR BACKFILL

The low strength mortar to be furnished for backfill material shall conform to the specifications of the Ohio Department of Transportation 2008 Construction and Material Specification Item 613 for Low Strength Mortar Backfill, Type 2. **No fly ash** will be permitted in the mix.

The price bid shall be the delivered price per cubic yard to Wadsworth, Ohio.

C-3 MASONRY CEMENT

All cement shall be Type M for mortar conforming to Ohio Department of Transportation 2008 Construction and Material Specification Item 701.07 and ASTM Spec. C 91.

The price bid shall be the delivered price per 80 lb. bag to Wadsworth, Ohio.

ICE

I-1 ICE MELT

All ice melt material proposed to be furnished shall meet the following conditions.

Will not harm carpets, floors, concrete, grass, trees, shrubs, vegetation, or skin. Will melt below 0°F. Will not clump or harden. Supplier must furnish written statement confirming such from supplier or manufacturer. One material that is acceptable is Safe Step, manufactured by Vigoro.

Active ingredients should be:

<u>Active Ingredients</u>	<u>CAS No.</u>
KCl	7447-40-7
NaCl	7647-14-5
NH ₂ CONH ₂	57-13-6
C ₇ O ₆ H ₁₄	97-30-3

The price bid shall be per pound delivered to 311 Broad Street, Wadsworth, Ohio in bags and in pails in less than pallet quantities and also in pallet load quantities.

I-2 CALCIUM CHLORIDE

The Calcium Chloride to be furnished shall be in liquid form and shall be a 32% solution. An accepted brand shall be Liquidow or equal.

The price bid shall be the delivered price per gallon to 311 Broad Street, Wadsworth, Ohio in 55 gallon drums, and also a price bid per gallon to be delivered to The City of Wadsworth in bulk tanker in quantities of 1000 gallon per delivery.

P-1 PAVEMENT CRACK FILLING MATERIAL

The crack filling sealant shall be a single component, hot-pour petroleum based pavement sealant formulated to meet all requirements of ASTM D1190 (Crafco 211 or equal).

The second sealant shall exceed requirements of Modified AASHTO M173 having a Cone Penetration at 77F of 50-90 and a Resilience of 25%-60% (Crafco 34515 or equal).

The price bid shall be the delivered price per pound to 311 Broad Street, Wadsworth, Ohio on pallets.

SERVICES

S-1 CONCRETE REPLACEMENT

The contractor shall provide all labor and equipment to remove and replace existing concrete pavement, aprons, sidewalks and handicap accessible ramps as designated throughout the City in accordance with Ohio Department of Transportation 2008 Construction and Material Specifications 452 and 608. A per unit price for all labor and equipment as stated above, shall be bid with out the cost of concrete only. The concrete will be purchased and supplied by the City of Wadsworth approved vendor. All other materials and labor should be included in the per unit price.

Labor shall include but not limited to: removal of existing pavement, excavation of up to 3" of unsuitable subgrade, hauling of excavated material, placement of up to 3" of ODOT 304 Aggregate Base, compaction of subgrade, forming, placement of anchor bolts @ 18" spacing, placement of expansion material, placement of ODOT Class C Concrete, floating and finishing concrete, placing truncated domes, application of concrete cure and seal, removing forms, repairing any seeded areas, removing of all debris, sweeping project area, and removing traffic control.

Class C Concrete will be provided by the City. The contractor shall schedule the delivery of the concrete with the designated supplier to coordinate with their work and minimize any small load, delivery and/or demurrage charges. Any excessive charges due to the fault of the contractor will be deducted from payment for the work performed.

Truncated domes made of 24" x 24" cast iron will be provided by the City for installation by the contractor. The contractor must coordinate the delivery of the castings with the Street Department in advance of starting the placement of the concrete.

Miscellaneous items such as aggregate base for thickness less than 3", forming materials, anchor bolts, expansion joint material, curing and sealing compound, topsoil, seed, fertilizer, etc shall be the responsibility of the contractor.

The Contractor shall provide proper Maintenance of Traffic per the Ohio Manual of Uniform Traffic Control Devices (OMUTCD), including all signage, barricades, lights, cones, barrels, etc. Trained flaggers shall be provided to properly direct traffic as necessary for the proposed work zone. Maintaining the traffic control devices shall be the responsibility of the contractor throughout the duration of the contract. Proper removal of the traffic control devices shall be performed immediately following the completion of the work needing the devices. Maintenance of traffic shall be included in the unit cost bid for each item.

The contractor shall bid on both 6" and 8" concrete pavement replacement and 4" and 6" concrete sidewalk replacement. In addition, the contractor shall bid on replacement of 6" ODOT 609 Type 2A Integral Concrete Curb for use where concrete pavement sections that need replaced have integral curb.

Existing handicap accessible curb ramps shall be removed as part of the sidewalk or pavement removal and demolition process. The replacement may require some additional sawing of the existing curb and excavation to accommodate the proper dimensions of the new handicap accessible curb ramp standard. The new standard also requires the placement of a minimum 2 each - 24" x 24" cast iron truncated dome sections (East Jordan Iron Works 7006 or equal). This additional work shall be included in the unit square foot cost of handicap accessible curb ramps replaced.

Any unsuitable subgrade beyond 3" inches will be excavated to a suitable depth as directed by the City, and filled with compacted ODOT 304 Aggregate Base and paid for under a separate bid item.

Saw cutting will not be included in the cost of the concrete replacement unit cost. It will be bid as a separate item, and paid per unit price bid for linear feet.

Removed concrete shall be hauled to the staging area at the City of Wadsworth's Wastewater Treatment Plant on Weber Drive. Unsuitable subgrade shall be removed as directed by the City and hauled by the contractor to their own site. The cost of hauling shall be included in the cost of the concrete work.

Payment will be made for the actual square feet of concrete pavement, apron, sidewalk, or handicap accessible curb ramps replaced, or the actual linear feet of concrete curb, as measured in the field.

S-2 AGGREGATE BASE

Any unsuitable subgrade beyond 3" inches will be excavated to a suitable depth as directed by the City, and filled with compacted ODOT 304 Aggregate Base. The cost of the excavation of unsuitable subgrade will be included in the cost of the additional ODOT 304. Payment will be made for the actual calculated Tons of 304 Aggregate Base furnished and compacted in place.

S-3 CONCRETE SAWING

The contractor shall provide all labor and equipment to saw cut the existing concrete pavement, aprons, sidewalks and handicap accessible ramps as necessary to perform the concrete replacement. The concrete pavement shall be cut full depth. Payment will be made for the actual linear feet of concrete pavement, apron, sidewalk, or handicap accessible ramps saw cut as measured in the field.

ST-1 STORM AND SANITARY SEWER TELEVISION

The contractor shall provide all labor and materials to televise various sizes of storm sewer and sanitary sewer in the City of Wadsworth. Prices will include a full report and CD record of all footage televised. Prices to include all transportation costs, fuel surcharges, lodging costs, or extra charges billed on a per hour rate that includes the televising as stated above. The City will provide necessary traffic control and will provide an inspector to help locate the work and instruct the contractor of all work necessary for each day worked. Records and CD'S must be delivered to the City Of Wadsworth within 2 weeks of completion of said work. All successful contractors must be fully insured and have several references that can be furnished upon request. All minimum hours per day must be stated on said bid. Payment will be based on an hourly rate beginning at the Wadsworth office and ending at the same office and will be approved prior to billing.

ENTER PRICING ON SUCCEEDING PAGES

**CITY OF WADSWORTH
PROPOSAL FOR STREET DEPARTMENT MATERIALS
DELIVERED PRICES MUST INCLUDE ALL FUEL AND FREIGHT CHARGES**

M-1 LIMESTONE

<u>Size</u>	<u>Quantity</u>	Price per Ton at Yard	Price per Ton Del. to Wadsworth
1 or 2	1200 Ton	_____	_____
57	1200 Ton	_____	_____
3 or 4	1200 Ton	_____	_____
6	1200 Ton	_____	_____
8	1200 Ton	_____	_____
9	1200 Ton(washed)	_____	_____
304	1200 Ton	_____	_____
411	1200 Ton	_____	_____

M-2 ASPHALT MATERIALS

(A) All Limestone Aggregate

Price per Ton at Asphalt Plant

500 Ton 402	_____
500 Ton 404	_____
500 Ton 412 Sand Mix	_____
500 Ton HPM Cold Mix (#9 Stone)	_____
500 Ton 448 Asph. Conc. Inter.	_____
500 Ton 448 Asph. Conc. Surf.	_____

300 Ton 448 Asph. Conc. Surf.

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M-3 STORM SEWER PIPE

HDPE SMOOTH WALL CORRUGATED PIPE, HI-Q, N-12, OR EQUAL

	Price per Foot Del to Wadsworth	Price per Foot at Your Plant
500 Lineal Feet 4"	_____	_____
500 Lineal Feet 6"	_____	_____
500 Lineal Feet 8"	_____	_____
500 Lineal Feet 10"	_____	_____
500 Lineal Feet 12"	_____	_____
500 Lineal Feet 15"	_____	_____
500 Lineal Feet 18"	_____	_____
100 Lineal Feet 24"	_____	_____
100 Lineal Feet 30"	_____	_____
100 Lineal Feet 36"	_____	_____

HDPE CORRUGATED BANDS FOR HI-Q, N-12, OR EQUAL

	Price per Foot Del. to Wadsworth	Price per Foot at Your Plant
20 Each 4"	_____	_____
20 Each 6"	_____	_____
20 Each 8"	_____	_____
20 Each 10"	_____	_____

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M-3 STORM SEWER PIPE (cont.)

20 Each	12"	_____	_____
20 Each	15"	_____	_____
15 Each	18"	_____	_____
15 Each	24"	_____	_____
15 Each	30"	_____	_____
15 Each	36"	_____	_____

PVC PIPE, SDR-35, ASTM 3034

	Price per Foot Del to Wadsworth	Price per Foot at Your Plant
500 Lineal Feet 4"	_____	_____
500 Lineal Feet 6"	_____	_____
500 Lineal Feet 8"	_____	_____
500 Lineal Feet 10"	_____	_____
500 Lineal Feet 12"	_____	_____
500 Lineal Feet 15"	_____	_____
500 Lineal Feet 18"	_____	_____
500 Lineal Feet 21"	_____	_____
500 Lineal Feet 24"	_____	_____

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M-3 STORM SEWER PIPE (cont.)

**RUBBER SADDLES WITH STAINLESS STEEL BANDS FOR CLAY TO CAST IRON
PIPE – FERNCO OR EQUAL**

	Price per Band Del. to Wadsworth	Price per Band at Your Plant
20 each 4"	_____	_____
20 each 6"	_____	_____
20 each 8"	_____	_____
20 each 10"	_____	_____
20 each 12"	_____	_____
20 each 15"	_____	_____
10 each 18"	_____	_____
10 each 21"	_____	_____
10 each 24"	_____	_____

M-4 TOPSOIL MATERIALS

	Price Delivered to Wadsworth	Price Picked up at Yard
Topsoil, double shredded and screened Per the specification.	_____	_____
	TON	TON
	_____	_____
	CY	CY

CITY OF WADSWORTH
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DELIVERED PRICES MUST INCLUDE ALL FUEL AND FREIGHT CHARGES

Price per Gallon Delivered
in 1000 gallon loads to
311 Broad Street, Wadsworth

P-2 CALCIUM CHLORIDE

3000 Gallon

P-1 PAVEMENT CRACK FILLING MATERIAL

Price per pound

40,000 Lbs. (Delivered on Pallets) ASTM D1190

40,000 Lbs. (Delivered on Pallets) AASHTO M173

S-1 CONCRETE REPLACEMENT

	Minimum Qty/Job	Cost Bid /Unit	Average Qty/Job	Cost Bid /Unit
6" ODOT 452 Concrete Pavement Replacement	100 SF	_____	1000 SF	_____
8" ODOT 452 Concrete Pavement Replacement	100 SF	_____	1000 SF	_____
4" ODOT 608 Concrete Sidewalk Replacement	40 SF	_____	400 SF	_____
6" ODOT 608 Concrete Sidewalk Replacement.	40 SF	_____	400 SF	_____
6" ODOT 609 Type 2A Integral Concrete Curb Replacement	10 LF	_____	100 LF	_____
6" ODOT 608 Handicap Accessible Curb Ramp Replacement	30 SF	_____	300 SF	_____

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S-2 AGGREGATE BASE

ODOT 304

Aggregate Base

4 Tons _____

40 Tons

S-3 CONCRETE SAWING

Full Depth Sawing

40 LF

200 LF

ST-1 STORM AND SANITARY SEWER TELEVISIONING

Rate per Hour based on: (4 Hrs min.) _____/HR (8 Hrs min.) _____/HR

The signer of this Proposal as Bidder declares that he has carefully examined this advertisement and specifications herein contained and he proposes and agrees that if this Proposal is accepted, he will Contract with the City of Wadsworth, Ohio, to furnish and deliver the material bid in accordance with the advertisement and specifications as set forth herein.

Signature of Bidder

By _____
Name

Title

Printed Name

Printed Business Name

Business Address of Bidder

Dated at _____ this _____ day of _____, 2011

NOTE: This Proposal sheet must be signed by the Bidder. If firm or corporation, name, followed by the name of person authorized to sign said bid, stating his title or position with the firm or corporation; if partnership, sign partnership name by one of partners.

Phone Number _____

Fax Number _____