



**Eaton County
Road
Commission**

Jerry L. Frazier
Chair

March 28, 2019

Benjamin S. Lyons
Vice Chair

NOTICE TO BIDDERS

Duane A. Eldred
Member

Sealed proposals will be received by the Board of County Road Commissioners of the County of Eaton, Michigan at 1112 Reynolds Road, Charlotte, MI 48813, until 10:00 am, Monday, April 22, 2019, at which time and place proposals will be publicly opened and read aloud for furnishing and delivering the following:

Timothy J. Lamoreaux
Member

HMA BASE CRUSHING AND SHAPING

Dorothy E. Maxwell
Member

- St. Joe Highway, M-100 to Nixon – Approx. 33,000 syd**
- St. Joe Highway, Mulliken to Boyer – Approx. 14,000 syd**
- St. Joe Highway, Fees to Oneida – Approx. 14,000 syd**
- Five Point Highway, Young to Battle Creek – Approx. 63,000 syd**
- Otto Road, Packard to Lansing – Approx. 5,700 syd**

Blair E. Ballou, P.E.
Engineer-Manager

The Eaton County Road Commission will consider award of the contracts after review by staff.

Lori N. Friedlis, CPA
Director of Finance

Specifications, bid blanks, and further information may be obtained at the offices of the undersigned, 1112 Reynolds Road, Charlotte, MI 48813, Telephone (517) 543-1630 or (877) 883-2866.

1112 Reynolds Road
Charlotte, MI 48813

All proposals must be submitted in sealed envelopes bearing the name of the bidder and clearly marked with a notation indicating the service or material for which the bid is submitted. **All bids must be submitted on the enclosed Bid Blank.**

Telephone
517-543-1630
Toll-Free
877-883-2866

The Board reserves the right to accept or reject any or all bids, to waive the irregularities in any proposal, and to make the award in any manner deemed in the best interest of the County of Eaton.

Fax
517-543-2608

**BOARD OF COUNTY ROAD COMMISSIONERS
OF THE COUNTY OF EATON, MICHIGAN**

Email
ecrc@eatoncountyroa.com

Jerry L. Frazier, Chair
Benjamin S. Lyons, Vice Chair
Duane A. Eldred, Member
Timothy J. Lamoreaux, Member
Dorothy E. Maxwell, Member

EATON COUNTY ROAD COMMISSION
CHARLOTTE, MICHIGAN

2019 HMA BASE CRUSHING AND SHAPING, MODIFIED PROPOSAL

**To: Board of Eaton County Road Commissioners
1112 Reynolds Road
Charlotte, Michigan 48813**

The undersigned has examined the Plans, Specifications, and the Location of the work described herein and is fully informed as to the nature of the work and the conditions relating to its performance, and understands that the quantities shown are approximate only and are subject to either Increase or Decrease.

The undersigned hereby proposes to furnish all necessary equipment, tools, apparatus, and other means of construction; do all the work and furnish all the materials; and, for the unit prices named in the itemized bid, complete the work herein described, in strict accordance with the plans thereof, and in strict conformity with the requirements of the 2012 Michigan Department of Transportation Standard Specifications for Construction and such other special provisions and supplemental specifications included as part of this proposal.

The undersigned further proposes to do such extra work as may be authorized by the Eaton County Road Commission, prices for which are not included in the itemized bid. Compensation shall be made on the basis agreed upon prior to commencing with extra work.

The undersigned encloses a certified or cashiers check on an open solvent bank, in the amount of \$5,000, payable to the Eaton County Road Commission as a guarantee of good faith. If the undersigned is the successful bidder and fails to enter into a contract to furnish satisfactory bonds to the Eaton County Road Commission within 15 days after being furnished with the necessary contract and bond forms, the Bid Deposit will be forfeited to the Eaton County Road Commission as liquidated damages. It is understood that the Bid Deposit of the successful bidder will not be returned until the contract has been executed and that the proposal guarantees of all other bidders will be returned promptly.

Company Name _____

Address _____

Phone # _____

Fax # _____

Signed by _____

Date _____

EATON COUNTY ROAD COMMISSION

2019 HMA Base Crushing and Shaping, Modified

BID BLANK

ITEM OF WORK	QUANTITY	UNIT	UNIT PRICE	AMOUNT
HMA Base Crushing and Shaping, Mod	129,347	Syd	\$ _____	\$ _____
Calcium Chloride Solution, 38%	97,010	Gallon	\$ _____	\$ _____
Trenching	174	Station	\$ _____	\$ _____
Aggregate Base, 6"	11,600	Syd	\$ _____	\$ _____
Slope Restoration, Modified	174	Station	\$ _____	\$ _____
Mailbox Post	70	Each	\$ _____	\$ _____
Pavement Remove	100	Syd	\$ _____	\$ _____
			GRAND TOTAL BID	\$ _____

COMPANY NAME _____

ADDRESS _____

TELEPHONE _____

Email _____

SIGNED BY _____

DATE _____

**2019 HMA Base Crushing and Shaping
Bid Blank Summary**

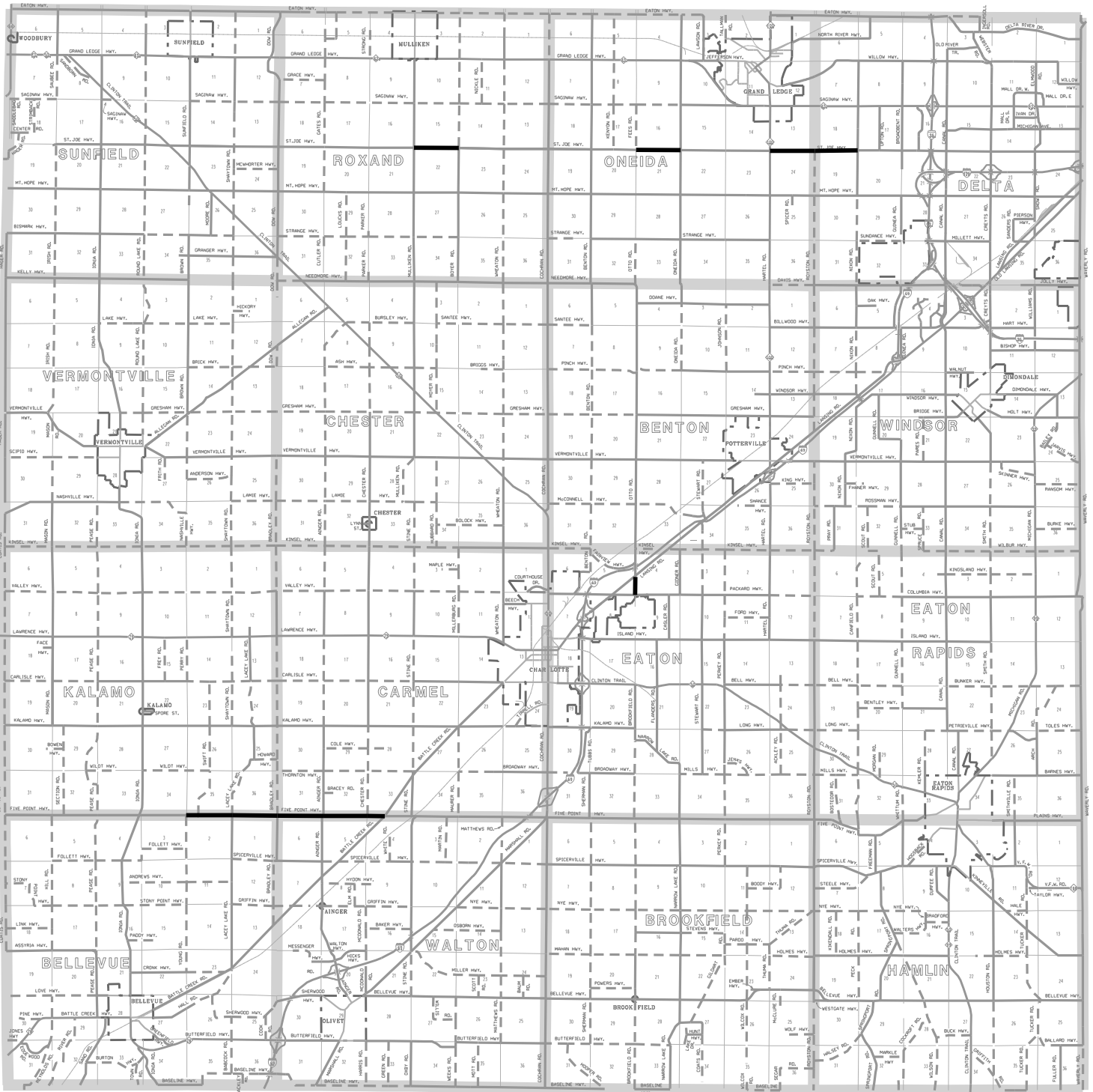
	Project Length	Crush & Shape Width	Crush & Shape (Syd)	Calcium Chloride (Gallon)	Trenching (Station)	Agg. Base, 6" (Syd)	Slope Restoration Modified (Station)	Pavement Remove (Syd)	Mailbox Post (Each)
Otto Road Packard Hwy. to Lansing Rd.	2,120	24	5,653	4,240	0	0	0	4	
Five Point Highway Young Rd. to Battle Creek Rd.	23,500	24	62,667	47,000	0	0	0	8	
St. Joe Highway Mulliken Rd. to Boyer Rd.	5,280	24	14,080	10,560	0	0	0	8	
St. Joe Highway Fees to Oneida	5,280	24	14,080	10,560	0	0	0	10	
St. Joe Highway M100 to Nixon Rd.	8,700	34	32,867	24,650	174	11,600	174	100	40
Totals:			129,347	97,010	174	11,600	174	100	70

EATON COUNTY ROAD COMMISSION

2019 CRUSH & SHAPE CONTRACT

— CRUSH AND SHAPE PROJECT

MARCH 28, 2019



EATON COUNTY ROAD COMMISSION
2019 HMA BASE CRUSHING AND SHAPING
PROJECT LOG

The following is additional work necessary prior to resurfacing of these roads.

The following locations shall have HMA Base Crushing and Shaping, Modified performed to the width indicated:

St. Joe Highway, M100 to Nixon

Prior to crushing and shaping, the Contractor will trench and place aggregate base, 6" on both shoulders of the road. HMA Base Crushing and Shaping, Modified shall be done and will be measured at a width of 34'. Slope restoration shall be performed on the area disturbed during this project.

St. Joe Highway, Shaytown to Boyer

Prior to crushing and shaping, the road commission will have aggregate spread over the existing pavement at a minimum depth of 3". HMA Base Crushing and Shaping, Modified shall be done and will be measured at a width of 24'.

St. Joe Highway, Fees to Oneida

Prior to crushing and shaping, the road commission will have aggregate spread over the existing pavement at a minimum depth of 3". HMA Base Crushing and Shaping, Modified shall be done and will be measured at a width of 24'.

Five Point Highway, Young to Battle Creek

Prior to crushing and shaping, the road commission will have aggregate spread over the existing pavement at a minimum depth of 3". HMA Base Crushing and Shaping, Modified shall be done and will be measured at a width of 24'.

Otto Road, Packard to Lansing

Prior to crushing and shaping, the road commission will have aggregate spread over the existing pavement at a depth of 3". HMA Base Crushing and Shaping, Modified shall be done and will be measured at a width of 24'.

EATON COUNTY ROAD COMMISSION

SPECIAL PROVISION
FOR
HMA BASE CRUSHING AND SHAPING, MODIFIED

ECRC

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03-26-19

a. Description. All work, materials, and labor necessary to perform Base Crushing and Shaping, Modified shall be done in accordance with Section 305 of the 2012 MDOT Standard Specifications for Construction and as modified herein.

b. Equipment. The pulverizer shall be capable of pulverizing the existing pavement to a depth of 12 inches.

c. Construction. The road surface shall be crushed to a depth of 1-2" below the bottom of the pavement. Prior to crushing, but after trenching and placing aggregate base where specified, the Road Commission will deliver and spread 23A aggregate to a uniform depth of 3" across the area to be crushed on some of the roads. This material must be incorporated during the crushing operation. The contractor shall contact the Road Commission at least 2 weeks prior to beginning crushing operation to schedule the delivery and spreading operations. All material from the crushing operation shall be incorporated into the road grade during grading operations. **Windrows of material from the shaping operation will not be allowed and must be used and balanced on the road.**

The contractor shall supply, incorporate, and thoroughly mix calcium chloride solution full depth into the crushed aggregate and HMA pavement. The calcium chloride solution shall be incorporated into the newly crushed aggregate/pavement mixture prior to grading or compacting the crushed material. The calcium chloride solution will be **Calcium Chloride Solution, 38%** supplied by the contractor. Total quantity of calcium chloride solution shall be sufficient to meet an application rate of 0.75 gal/syd over a width of 24-30 feet.

The contractor shall grade the newly pulverized surface at a 2 percent cross slope with the crown centered in the crushed area or as directed by the Engineer. Grading tolerance shall be +/- ¼% of the 2% cross slope. After the crushed surface has been graded, the contractor shall compact the material to a minimum of 98% compaction.

Where required, **Trenching** shall be performed in accordance with Section 307 of the 2012 MDOT Standard Specifications for Construction. **Aggregate Base, 6 inch** shall be performed in accordance with Section 302 of the 2012 MDOT Standard Specifications for Construction.

d. Traffic Control. The road will be closed to through traffic during crushing and shaping operations. Traffic control signs will be provided by the Eaton County Road Commission. Traffic control regulator, if required, shall be provided by the contractor. The Contractor shall maintain access to local traffic at all times.

e. Mailboxes. Mailboxes will be relocated where required. New posts shall be placed in accordance with Section 807 of the 2012 MDOT Standard Specifications for Construction.

BASE CRUSHING AND SHAPING, MODIFIED

Eaton County Road Commission

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March 26, 2019

f. Bond and Insurance Requirements. Proof of ADEQUATE INSURANCE COVERAGE by the successful bidder will be required as part of this contract. The successful Bidder shall furnish proof of Workers Compensation Insurance and a separate Liability Insurance Policy in favor of the Road Commission naming the Road Commission, its Commissioners, and Employees as an additional named insured, in the amount of \$1,000,000.

The successful Bidder will be required to provide a PERFORMANCE BOND in the amount of 50% of the total contract amount and a LIEN BOND in the amount of 50% of the total contract amount prior to award.

g. Schedule: The completion date for all work in this contract is August 15, 2019. The contractor shall submit a progress schedule with the bid showing the proposed schedule at each location.

h. Measurement and Payment. HMA Base Crushing and Shaping, Modified will be paid for by the Square Yard. The pay width for base crushing and shaping will be as shown in the bid summary and the length will be the existing HMA surface that is crushed and shaped. Payment for **HMA Base Crushing and Shaping, Modified** will include crushing existing pavement and aggregate surface, incorporating calcium chloride solution, shaping to 2% crown, compacting the finished roadbed, and traffic control including traffic regulators when needed. The **Calcium Chloride Solution, 38% material; Trenching; Slope Restoration, Modified; Aggregate Base, 6 inch; Mailbox Post; and HMA Surface, Rem** will be paid for separately in accordance with the 2012 MDOT Standard Specifications for Construction and Special Provisions. Payment will be made for work in full after completion of the specified work.

PAY ITEM

PAY UNIT

HMA Base Crushing and Shaping, Modified

Square Yard

Calcium Chloride Solution, 38%

Gallon

Trenching

Station

Aggregate Base, 6"

Square Yard

Slope Restoration, Modified

Station

Mailbox Post

Each

HMA Surface, Rem

Square Yard

**EATON COUNTY ROAD COMMISSION
SPECIAL PROVISION
FOR
SLOPE RESTORATION, MODIFIED**

ECRC

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3/8/19

CONSTRUCTION METHODS

The work item of Slope Restoration shall consist of furnishing, hauling, spreading, grading, trimming of topsoil 3 inches thick, and of seed, chemical fertilizer nutrient, mulch materials, and mulch adhesive on all new slopes, ditches, and areas of disturbed earth outside the road surface as directed by the Engineer. Application rates shall be as follows:

Seed mixture TDS	220 LBS/ACRE
Chemical Fertilizer Nutrient	228 LBS/ACRE
Straw Mulch	2 TONS/ACRE

All mulch used shall be straw mulch. **Mulch adhesives will be required.**

All new slopes or disturbed earth outside of the new roadbed shall be restored with a minimum 3 inch depth of topsoil and trimmed within the tolerance for Class A Slopes before being seeded and mulched. Chemical Fertilizer Nutrient, Mulch and Mulch Adhesive shall be applied to all seeded areas at the rates specified above.

Payment for furnishing, placing, and trimming of topsoil and for the furnishing and application of Seeding Mixtures, Chemical Fertilizer Nutrient, Mulch, and Mulch Adhesive shall be included in the pay item of Slope Restoration and will not be paid separately.

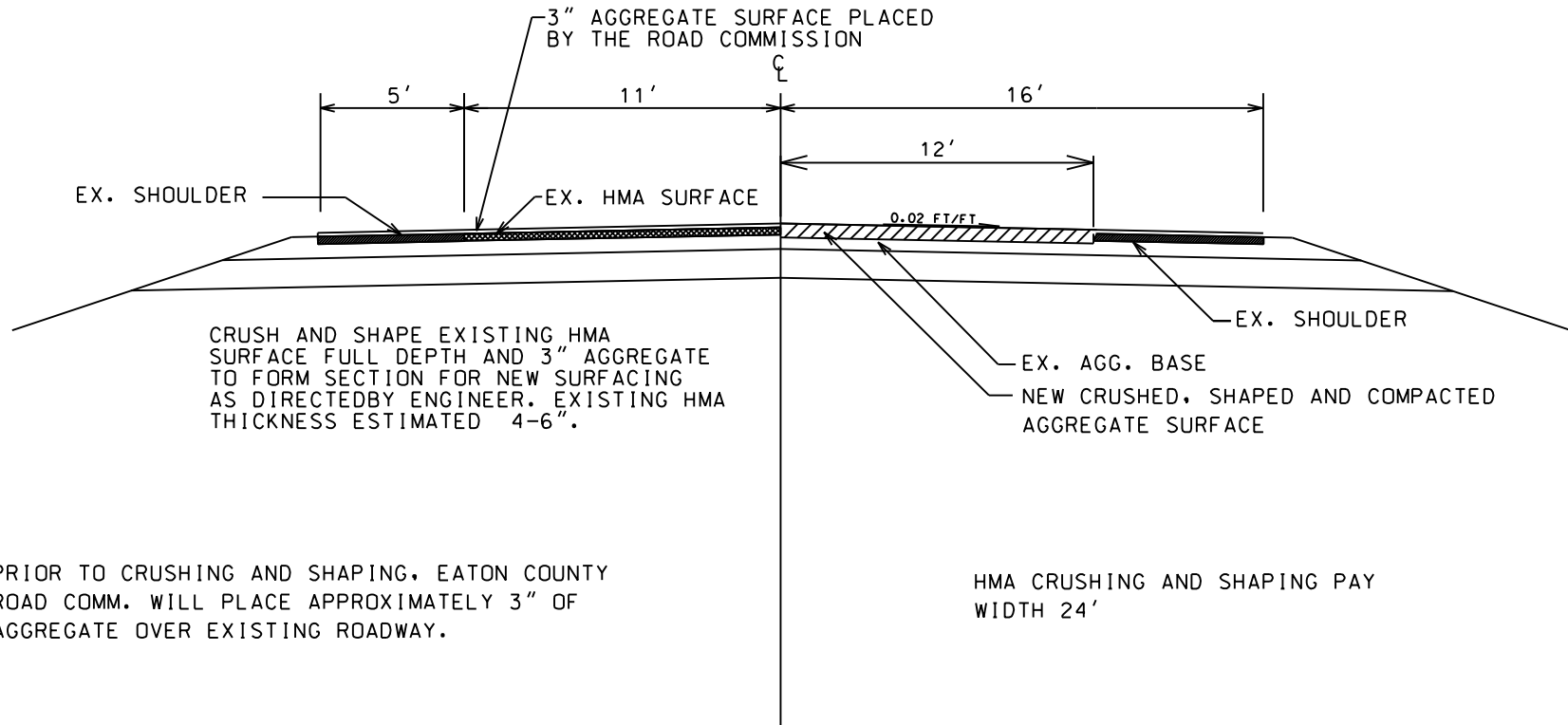
MEASUREMENT AND PAYMENT

The work item of Slope Restoration will be measured by length in feet along the edge of the road, Payment will be made at the contract unit price per station, which price shall be payment in full for all work specified herein.

PAY ITEM
Slope Restoration, Modified

PAY UNIT
Station

TYPICAL SECTION FOR CRUSHING & SHAPING

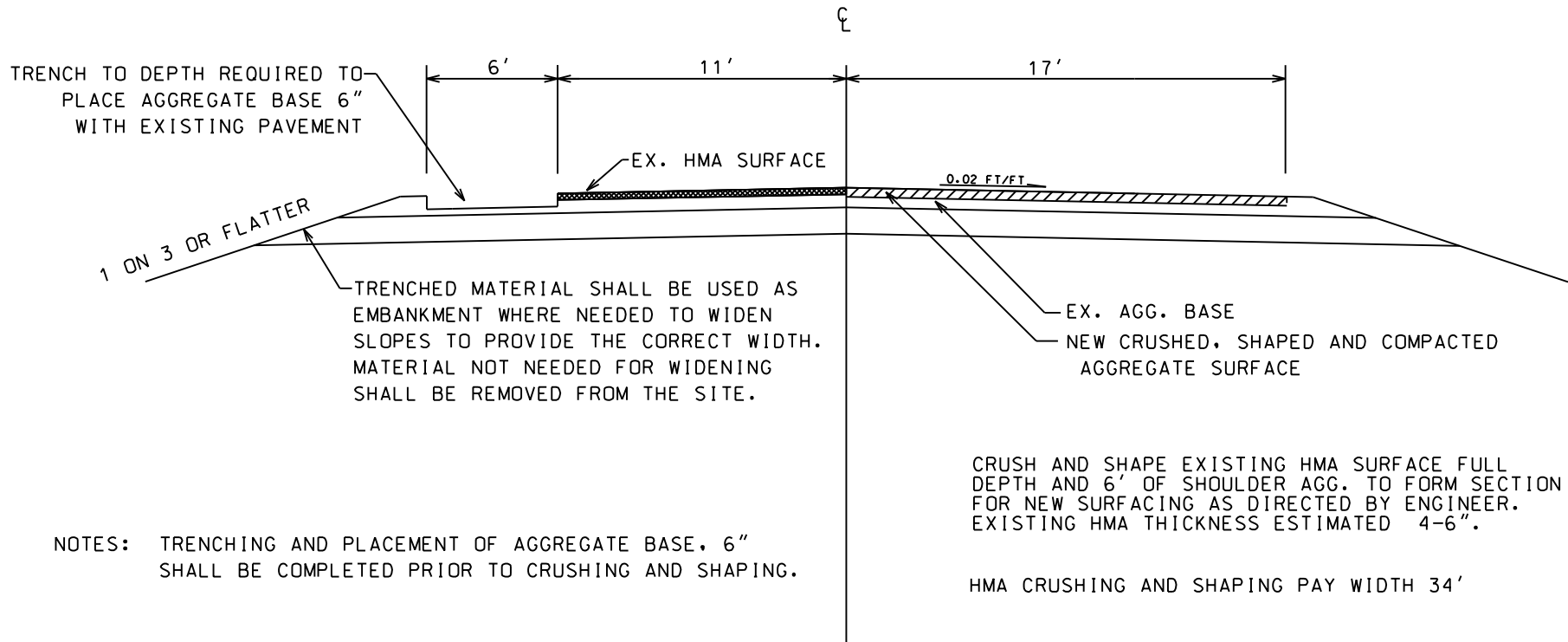


HALF SECTION FOR GRADING

HALF SECTION FOR SURFACING

ST. JOE HWY.-LOCAL
OTTO RD.
FIVE POINT HWY.

TYPICAL SECTION FOR CRUSHING & SHAPING



HALF SECTION FOR GRADING

HALF SECTION FOR SURFACING

ALL DISTURBED AREAS AND NEW SLOPES TO BE GRADED TO CLASS A TOLERANCES AND RESTORED WITH TOPSOIL 3", TDS SEED MIXTURE, CHEMICAL FERTILIZER NUTRIENT, MULCH AND ANCHORING MULCH AS DIRECTED BY ENGINEER. MEASURED AND PAID AS SLOPE RESTORATION, STA.

ST. JOE HWY.-PRIMARY