

**CASS COUNTY HIGHWAY DEPARTMENT
BIDDERS PROPOSAL & PLANS**

**FOR
COUNTY PROJECT MS1101
BITUMINOUS PATCHING & SEAL COAT**

Various locations,

Cass County, North Dakota

Date of Letting: 10:00 A.M., May 24th, 2012

Proposal of: _____

COUNTY PROJECT MS1101
BITUMINOUS PATCHING & SEAL COAT

Various locations,
Cass County, North Dakota

I hereby certify that this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of North Dakota.

/s/

Jason P. Benson
ND Reg. No. 7490

Date: 5/4/12

GOVERNING SPECIFICATIONS:

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED BY THE NORTH DAKOTA DEPARTMENT OF TRANSPORTATION, OCTOBER 2008; SHALL APPLY, STANDARD DRAWINGS CURRENTLY IN EFFECT; AND OTHER CONTRACT PROVISIONS SUBMITTED HEREIN.

THIS DOCUMENT WAS ORIGINALLY ISSUED AND SEALED BY JASON P. BENSON, ND REG. NO. 7490 ON 5/4/12 AND THE ORIGINAL DOCUMENT IS STORED AT THE CASS COUNTY HIGHWAY DEPARTMENT, WEST FARGO, ND.

COUNTY PROJECT MS1101
BITUMINOUS PATCHING & SEAL COAT

SCOPE OF WORK:

The scope of this project is to repair residential roads in the Chrisan, Maple Prairie, Forest River, and Round Hill subdivisions in Cass County from the damage incurred by the 2009 spring flood. The sites are bituminous paved roads where only the pavement was damaged during clay dike construction and require patching, overlay and chip seal. All sites are considered standalone projects but are bid together as one package.

Davis-Davis Bacon wage will apply.

Patching areas will be repaired in the following manner; saw cut, remove pavement, remove class 5 base and unsuitable subgrade, class 5 base and bituminous pavement class 27.

Reconstruction areas will be repaired in the following manner; remove pavement by milling, remove class 5 base and unsuitable subgrade, reconstruct with R1 fabric, class 5 base and bituminous pavement class 27 with paver.

The remaining areas will need to be overlaid; depths vary by subdivision.

The final step is to chip seal the entire project.

No adjustment to unit prices will be made for the increase or decrease in quantities.

Any questions please contact Tom Soucy at the Cass County Highway Department – 701.298.2374 office or 701.793.9915 cell.

NOT FOR BIDDING PURPOSES

INSTRUCTIONS TO BIDDERS:

The Cass County Auditor at the Auditor's Office, 211 9th Street South, Fargo, North Dakota, will receive sealed bids until 10:00 A.M. on May 24, 2012. Bids will be opened immediately following the hour set for receiving bids in the Commission Room at the Cass County Courthouse, 211 9th Street South, Fargo, North Dakota.

Plans and proposals may be obtained at the office of the Cass County Engineer at West Fargo, North Dakota, at \$10.00 per set, non-refundable.

All envelopes containing bids must be clearly marked on the outside "**BID FOR BITUMINOUS PATCHING & SEAL COAT**", and the current North Dakota Contractors license number must be shown.

A bidder's bond in the amount of 5% of the amount bid, made payable to Cass County shall accompany each bid in a SEPARATE ENVELOPE ATTACHED TO THE OUTSIDE OF THE BID. Certified or Cashier's checks will not be accepted. A copy of the current ND Contractor's License or certificate of renewal shall be included in the Bid Bond envelope. No bid will be read or considered which does not comply with the bond or license requirements.

Prequalification is required for all bidders prior to obtaining a bidder's proposal. Contractors may be required to submit information detailing their ability to perform the work specific to this project. Cass County shall determine the Prequalification status of each contractor requesting a proposal, and reserves the right to deny bid documents to any contractor based on the County's responsibility determination.

The County reserves the right to reject any or all bids, and to waive any irregularities. All bidders must be qualified to bid under the laws of the State of North Dakota.

NOT FOR BIDDING PURPOSES

COUNTY PROJECT MS1101
BITUMINOUS PATCHING & SEAL COAT

INDEX OF PROVISIONS:

North Dakota Supplemental Specifications

Supplemental Specifications dated January 1, 2012 are not included in this proposal but are available at the county engineer's office, or be downloaded from the NDDOT's website at the following website:

<http://www.dot.nd.gov/dotnet/suppspecs/standardspecs.aspx>

Price Schedule for Miscellaneous Items Dated January 1, 2012

Special Provision 12-1 Contractor License & Contractor Claims

Emergency Relief Contract Requirements

Construction Notes

Typical Sections

Location Map

NOT FOR BIDDING PURPOSES

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION

PRICE SCHEDULE FOR MISCELLANEOUS ITEMS

January 1, 2012

The Contractor agrees to accept the following unit prices for each listed item of work and/or material when no project Contract Unit Price exists for that item. Each price listed will be full compensation for the cost of labor, material, and equipment necessary to provide the item of work and/or material, complete in place, including (but not limited to) royalty, disposal of unsuitable material, equipment rental, sales tax, use tax, overhead, profit, and incidentals.

Payment for items of work under this schedule performed by a Subcontract shall include an additional allowance for the Prime Contractor as specified in Section 104.03 of the Standard Specifications.

Each listed price is referenced to the Standard Specifications by Section number and Section name.

| SECTION NO. | SECTION NAME | ITEM NAME | PRICE PER ITEM |
|----------------------------------------------|----------------------------------------------------------------|------------------------|---------------------------------------------------------------------------------------------------------|
| 107.05 A.1 | Maintaining Traffic | Flagging | \$25 per MHR |
| 107.05 B.1 | Haul Roads | Water | \$21 per M Gal. |
| 107.05 B.7 | Haul Roads | Bituminous Mix | \$28 per Ton** |
| 107.05 B.7 | Haul Roads | Bitumen for Mix | Invoice Price* + 10% |
| 107.05 B.7 | Haul Roads | Aggregate Base | \$13 per Ton** |
| 203.01 B | Rock Excavation | Rock Excavation | \$8.40 per CY |
| 203.01 C | Shale Excavation | Shale Excavation | Common Excavation Bid Price + \$0.70 per CY |
| 203.01 D | Muck Excavation | Muck Excavation | \$7 per CY |
| 203.02 F | Embankment Construction | Overhaul | \$1.12 per CY - Mile |
| 407.07 B.2.a or 408.07 C.2.a | Hot Bit. Pavement (Excavated Material Hauled to Disposal Area) | Bituminous Mixture | Machine Placed: Bid or Invoice Price + \$20 per Ton Hand Placed: Bid or Invoice Price + \$37 per Ton |
| 420.06 | Bituminous Seal Coat | Blotter Sand | \$23 per Ton** |
| 650.04 D.2 Step 3 650.05 D.2 Step 3 | Repair & Overlay of PCC Bridge Decks | Low-Slump Concrete | \$335.55 per CY |
| 708 | Erosion Control | Mucking Silt Fence | \$3.00 per L.F. |
| 708 | Erosion Control | Mucking of Fiber Rolls | \$3.00 per L.F. |
| 708 | Erosion Control | Removal of Silt Fence | \$3.50 per L.F. |
| 708 | Erosion Control | Removal of Fiber Rolls | \$3.50 per L.F. |

* Price paid for bituminous material will be Invoice Price plus Freight Costs.

** Price includes haul up to 10 miles. Payment for haul exceeding 10 miles will be according to Section 109.04 C of the Standard Specifications. The haul distance for Aggregate Base and Bituminous Mix will be based on the average haul. The haul distance for Blotter Sand will be from the point where the haul begins to the point where it enters the project.

CASS COUNTY HIGHWAY DEPARTMENT

SPECIAL PROVISION 12-1

January 1, 2012

SECTION 102.02 CONTRACTOR LICENSE

Section 102.02 of the Standard Specifications for Road and Bridge Construction, 2008 edition is deleted. All bidders must possess a current North Dakota Contractors License in accordance with § 43-07-12 of the North Dakota Century Code.

SECTION 104.06 CONTRACTOR CLAIMS

If the Contractor claims additional compensation for work or material not covered by the Contract, the Contractor is required to prosecute the claim in accordance with Standard Specifications for Road and Bridge Construction, 2008 edition, paragraph 104.06, et seq. The provisions of subparagraph 104.06 D are not applicable to this contract, nor are the provisions of North Dakota Century Code 24-02-26 et seq. as the North Dakota Department of Transportation is not a party to this contract.

References in the Standard Specifications for Road and Bridge Construction, 2008 edition, to the North Dakota Department of Transportation or Department must be construed as referring to the owner. Likewise, a reference by the same works to engineer or director must be construed as referring to the owner of the project.

NOT FOR BIDDING PURPOSES

Emergency Relief Contract Requirements

Project Number:

ER Site:

Location:

Year:

The Contractor shall perform all work in accordance with the *North Dakota Department of Transportation Standard Specifications for Road and Bridge Construction* and the most current *Supplemental Specifications*. The Contractor's signature and initials below indicated he has received or will obtain via the provided links and will abide by the policies and regulations of each of the following:

_____ FHWA 1273 – Required Contract Provisions

_____ NDDOT ADA Requirements

_____ NDDOT Revision to Race-Neutral DBE Special Provision

_____ NDDOT Special Provision – DBE Race-Neutral (with revision)
www.dot.nd.gov/divisions/civilrights/dbeprogram.htm

_____ EEO Affirmative Action Requirements
www.dot.nd.gov/divisions/civilrights/docs/affirmativeactionrequirements.pdf

_____ Prompt Payment – 46 CFR 26.29
www.dot.nd.gov/divisions/civilrights/docs/dbepromptpay20080118.pdf

_____ Davis-Bacon Wage and Payroll Requirements
www.dot.nd.gov/divisions/civilrights/laborcompliance.htm

_____ Buy America Provision
<http://www.fhwa.dot.gov/construction/cqit/buyam.cfm>

_____ Convict Produced Material/ Convict Labor Provision
<http://www.fhwa.dot.gov/construction/cqit/convict.cfm>

_____ All materials shall come from an approved location. Pre-approved locations can be found on the NDDOT website at:
www.dot.nd.gov/dotnet2/materialsource/certificatesofapproval.aspx

For new locations the contractor shall complete and submit SFN 58466 -
MATERIAL SOURCE APPROVAL REQUEST

NDDOT or LPA witness

Date

Contractor Representative

Date

CONSTRUCTION NOTES

GENERAL PROVISIONS:

The cost of incidental items required, but not listed in the estimate of quantities, shall be included in the price bid for bituminous patching.

Traffic Control items: All signage, traffic cones, flagging shall be included in the price bid for other items.

All mobilization, insurance, and contract bond costs to be included in the price bid for other items.

AGGREGATES:

The attention of the bidders is directed to M.S. 298.75 (Aggregate Material Tax), pursuant to the removal of aggregates from any deposit in Clay County, Minnesota.

HAUL ROADS:

The Contractor's attention is directed to Section 107.05 B of the Standard Specifications with regard to the use of public roads for hauling materials to the project. It shall be the Contractor's responsibility to investigate the suitability of routes with the agency having control of the road prior to submitting a bid.

CULTURAL RESOURCE PRESERVATION AND CLEARANCES OF GRAVEL PITS:

In accordance with section 107.04b of the standard specifications, the contractor is required to ensure that applicable cultural resource laws and regulations have been followed for all material sources. All material source locations, even those opened prior to the current project, must have been subjected to class III cultural resources inventory/SHPO survey's prior to use. Inventory results will determine recommendations regarding use of a particular source. The contractor's attention is directed to section 203.02a of the standard specifications for the treatment of any cultural resources that may be uncovered within the right of way.

MEASUREMENT OF QUANTITIES:

The Class 5 Aggregate base and Class 27 bituminous pavement shall be paid by the TON, tickets will be required. Excavation quantities for class 5 and subgrade shall be paid by the CY. Truck load (CY/Load) counts shall be the basis for these quantities. Pavement removals by the SY. The contractor and engineer shall reconcile on a daily basis all quantities.

REMOVE AGGREGATE BASE:

This bid item shall include all costs associated with the removal of class 5 and unsuitable subgrade material in the asphalt patching area. The disposal location for this material to be determined by the contractor and approved by the engineer.

CONSTRUCTION NOTES

REMOVE BITUMINOUS SURFACE:

This bid item shall include all costs associated with the removal of the existing pavement in the patching areas. This includes costs for saw cutting, and disposal of this material, the disposal location of the pavement to be determined by the contractor and approved by the engineer. This bid item shall also include all costs associated with the placement/compaction of bituminous pavement class 27 in the confined patching locations. Depth of pavement varies, three lifts required in pavements 7 inches or more.

ROADWAY RESHAPING:

All costs associated with stripping and restoring the inslopes enough to allow the reconstruction process to be completed without trapping water along the shoulders in the reconstruction areas shall be costs to be included in the price bid for bituminous pavement class 27. The segment requiring roadway reconstruction also requires roadway reshaping.

SUBGRADE PREP TYPE C – 12 IN:

This item shall all costs associated with the drying and compacting of the subgrade in the areas that are reconstructed only.

AGGREGATE BASE COURSE CLASS 5:

This item shall include all costs associated with the placement/compaction of class 5 aggregate base materials in the confined patching locations as well as the reconstruction areas. Water required for compaction of this material shall also be included in this item.

GEOTEXTILE FABRIC – TYPE R1:

This item shall include all costs associated with the placement of the geotextile fabric – Type R1 in the reconstruction area. Actual surface area will be the measurement used for payment, no allowances made for overlapping. The placement of the class 5 aggregate shall be in such a manner that no equipment is allowed to drive directly on the fabric.

BITUMINOUS PAVEMENT CLASS 27:

This item shall include all costs associated with placement of this material with a machine/paver. The PG 58-28 oil shall also be included in this item. Tack oil at 0.05 Gal/SY is required between the existing surface and the new mat and edges of the excavated surfaces. All costs associated with tack oil to be included in the price bid for bituminous pavement class 27. Estimated tack oil is: 600 gal (Chrisan), 925 gal (Forest River), 1,000 gal (Round Hill). A mix design will be required to be submitted to the engineer for approval. Cass County reserves the right to sample aggregate and pavement as needed to verify they meet specifications.

CONSTRUCTION NOTES

MILLING PAVEMENT SURFACE:

This item shall include all costs associated with the removal of bituminous pavement at all depths in the reconstruction areas. The estimated pavement depth varies between 4 and 7 inches. The millings all become property of the contractor.

CRS-2P:

The Contractor's attention is directed to Section 420.04 B of the Standard Specifications with regard to the amount of material used on the project. The CRS-2P quantities for this project were based on estimated rates of 0.25 GAL/SY. The actual application rate will be determined by the Engineer.

FA-2 - AGGREGATE:

The FA-2 quantities for this project were based on an estimated rate of 15 LBS/SY. The actual application rate will be determined by the Engineer. Load tickets will be required. The actual application area will be measured in the field for payment.

PICK UP SWEEPING:

The contractor shall use a "pickup" type sweeper to remove and dispose of the excess chips in the locations depicted below:

Chrisan Neighborhood

Entire Roadway - (Approximately 7,000 SY).

Forest River – Orchard Glenn Neighborhood

Entire Roadway - (Approximately 14,000 SY).

Round Hill Neighborhood

Entire Roadway - (Approximately 13,000 SY).

The disposal location of the excess chips to be determined by the contractor and approved by the engineer. All costs associated with pick up sweeping to be included in the price bid for cover coat material FA-2.

PROPOSAL

Note: The envelope containing this proposal should be marked:

“BID FOR BITUMINOUS PATCHING & SEAL COAT”, in Cass County

Proposal of: _____

Mailing Address

to furnish and deliver all materials and to do and perform all work, in accordance with the Standard Specifications, adopted by North Dakota Department of Transportation October 2008, Standard Drawings currently in effect, and other contract provisions submitted herewith of the North Dakota Department of Transportation except as specifically stated otherwise in the "Special Provisions" contained therein, for the improvement of a certain Public Highway in Cass County, State of North Dakota, on which proposals will be received until 10:00 o'clock A.M., on the 24th day of May, 2012, this project being known as Cass County Project No. MS1101. Said project being situated as follows: Beginning at various locations on highways in Cass County, as indicated on the plans. Project being approximately 3.0 miles in length, as indicated on the plans.

NOT FOR BIDDING PURPOSES

PROPOSAL

PROJECT NO: MS1101

TYPE: BITUMINOUS PATCHING & SEAL COAT

LENGTH: Approximately 3.0 MILES.

To The Chairman:
Cass County Board of Commissioners
Fargo, North Dakota

In accordance with the advertisement and notice to bidders from the Cass County Highway Department inviting proposals for the work on the project described above, the Bidder proposes to furnish all materials specified, and perform all work in the manner and at the time prescribed. The Bidder understands the quantities of work shown herein are approximate only, and are subject to increase or decrease. The bidder further understands that all quantities of work, whether increased or decreased, are to be performed at the unit prices proposed herein (except as otherwise provided in the contract documents).

The bid schedule, time for completion, other provisions, and bidder's affidavit follows:

NOT FOR BIDDING PURPOSES

PROPOSAL

BID SCHEDULE FOR COUNTY PROJECT NUMBER MS1101

BIDDER MUST TYPE OR NEATLY PRINT UNIT PRICES IN NUMERALS, MAKE EXTENSIONS FOR EACH ITEM, AND TOTAL, DO NOT CARRY UNIT PRICES FURTHER THAN THREE (3) DECIMAL PLACES.

| CASS COUNTY HIGHWAY DEPARTMENT | | | | | | |
|----------------------------------------------------------------------------------|-------------|-----------------------------|------|-------------------------|--------------|-------|
| PROJECT NO. MS1101 BITUMINOUS OVERLAY AND CHIPSEAL AT CHRISAN NEIGHBORHOOD | | | | ESTIMATED QUANTITIES | | |
| ITEM | SPEC NO. | DESCRIPTION | UNIT | APPROX. QUANTITY | UNIT COST | TOTAL |
| 1 | 202 | REMOVE AGGREGATE BASE | CY | 199 | | |
| 2 | 202 | REMOVE BITUMINOUS SURFACE | SY | 1,350 | | |
| 3 | 230 | SUBGRADE PREP TYPE C - 12IN | SY | 1,340 | | |
| 4 | 302 | AGGREGATE BASE COURSE CL 5 | TON | 373 | | |
| 5 | 408 | BITUMINOUS PAVEMENT CL. 27 | TON | 779 | | |
| 6 | 411 | MILLING PAVEMENT SURFACE | SY | 1,340 | | |
| 7 | 420 | CRS-2P EMULSIFIED ASPHALT | GAL | 1,600 | | |
| 8 | 420 | COVER COAT MATERIAL FA-2 | SY | 6,400 | | |
| 9 | 709 | GEOTEXTILE FABRIC - TYPE R1 | SY | 1,340 | | |

TOTAL = \$ _____

NOT FOR BIDDING PURPOSES

| CASS COUNTY HIGHWAY DEPARTMENT | | | | | | |
|---------------------------------------------------------------------------------------|-------------|----------------------------|------|-------------------------|--------------|-------|
| PROJECT NO. MS1101 BITUMINOUS OVERLAY AND CHIPSEAL AT FOREST RIVER NEIGHBORHOOD | | | | ESTIMATED QUANTITIES | | |
| ITEM | SPEC NO. | DESCRIPTION | UNIT | APPROX. QUANTITY | UNIT COST | TOTAL |
| 1 | 202 | REMOVE AGGREGATE BASE | CY | 162 | | |
| 2 | 202 | REMOVE BITUMINOUS SURFACE | SY | 700 | | |
| 3 | 302 | AGGREGATE BASE COURSE CL 5 | TON | 304 | | |
| 4 | 408 | BITUMINOUS PAVEMENT CL. 27 | TON | 2,330 | | |
| 5 | 411 | MILLING PAVEMENT SURFACE | SY | 3,050 | | |
| 6 | 420 | CRS-2P EMULSIFIED ASPHALT | GAL | 3,695 | | |
| 7 | 420 | COVER COAT MATERIAL FA-2 | SY | 14,778 | | |

TOTAL = \$ _____

| CASS COUNTY HIGHWAY DEPARTMENT | | | | | | |
|-------------------------------------------------------------------------------------|-------------|----------------------------|------|-------------------------|--------------|-------|
| PROJECT NO. MS1101 BITUMINOUS OVERLAY AND CHIPSEAL AT ROUND HILL NEIGHBORHOOD | | | | ESTIMATED QUANTITIES | | |
| ITEM | SPEC NO. | DESCRIPTION | UNIT | APPROX. QUANTITY | UNIT COST | TOTAL |
| 1 | 202 | REMOVE AGGREGATE BASE | CY | 281 | | |
| 2 | 202 | REMOVE BITUMINOUS SURFACE | SY | 1,080 | | |
| 3 | 302 | AGGREGATE BASE COURSE CL 5 | TON | 527 | | |
| 4 | 408 | BITUMINOUS PAVEMENT CL. 27 | TON | 1,502 | | |
| 5 | 420 | CRS-2P EMULSIFIED ASPHALT | GAL | 3,472 | | |
| 6 | 420 | COVER COAT MATERIAL FA-2 | SY | 13,889 | | |

TOTAL = \$ _____

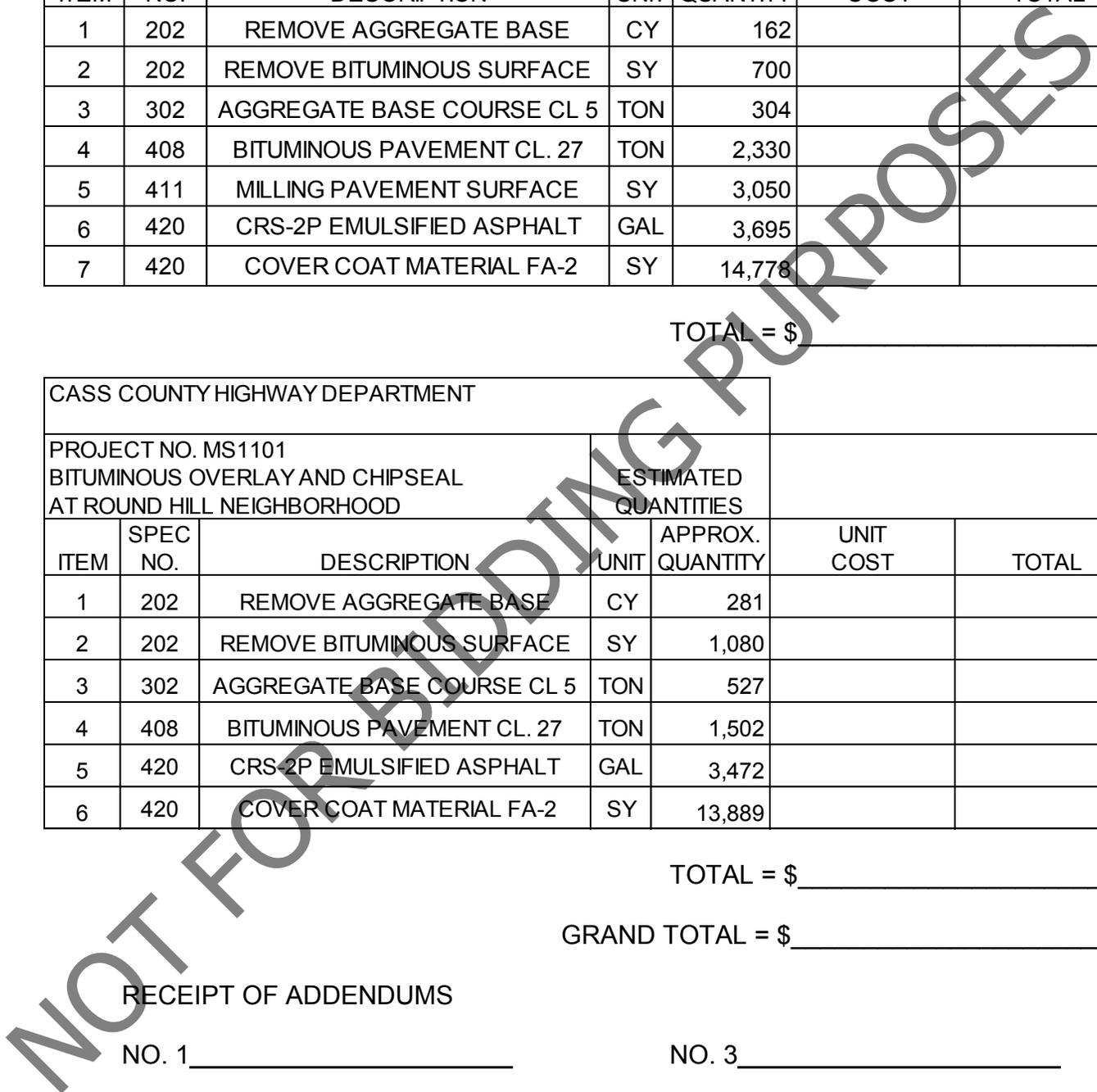
GRAND TOTAL = \$ _____

RECEIPT OF ADDENDUMS

NO. 1 _____

NO. 3 _____

NO. 2 _____



PROPOSAL

COUNTY PROJECT NUMBER: MS1101

TYPE: Bituminous Patching & Seal Coat

TIME FOR COMPLETION:

The undersigned Bidder agrees, if awarded the contract, to prosecute the work with sufficient forces and equipment to complete the contract work within the allowable time specified as follows:

WORKING DAY CONTRACT: N/A working days, counted as provided in Standard Specification No. 108.04. Working days will be counted from N/A or from the actual date on which on-site work is started, whichever is earlier.

COMPLETION DATE CONTRACT: August 31, 2012 provided however, that a minimum of N/A working days, counted as provided in Standard Specification No. 108.04, are guaranteed for the performance of the work. Working days will be counted from N/A or from the actual date on which onsite work is started, whichever is earlier.

NOT FOR BIDDING PURPOSES

PROPOSAL

COUNTY PROJECT NUMBER: MS1101

TYPE: Bituminous Patching & Seal Coat

CONTRACT EXECUTION:

The undersigned Bidder agrees, if awarded the contract, to execute the contract form and furnish a contract bond within ten days, as determined by NDCC Section 1-02-15, after date of notice of tentative award, in accordance with the provisions of Sections 103.05 and 103.06 of the Standard Specifications.

AFFIDAVIT:

STATE OF _____)ss.
COUNTY OF _____

The undersigned bidder, being duly sworn, does depose and say that he/she is an authorized representative

Of _____
_____, a
Mailing Address

___ Individual ___ Partnership ___ Joint Venture ___ Corporation

and that the said bidder has examined and carefully prepared its bid from the plans and specifications and has checked the same in detail before submitting said proposal or bid; and that the said bidder or its agents, office, or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

_____,
Bidder must sign on this line

Title _____

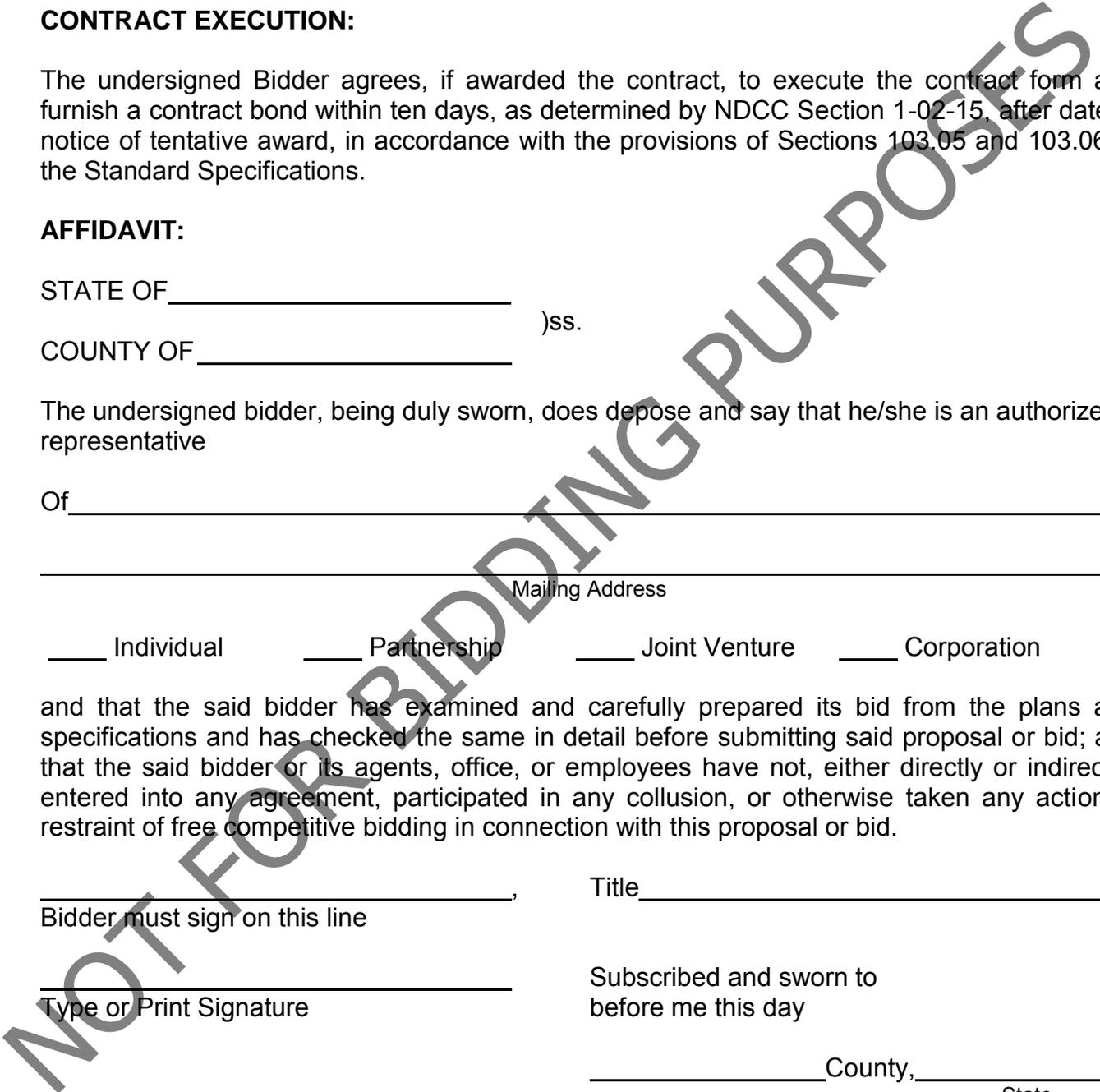
Type or Print Signature

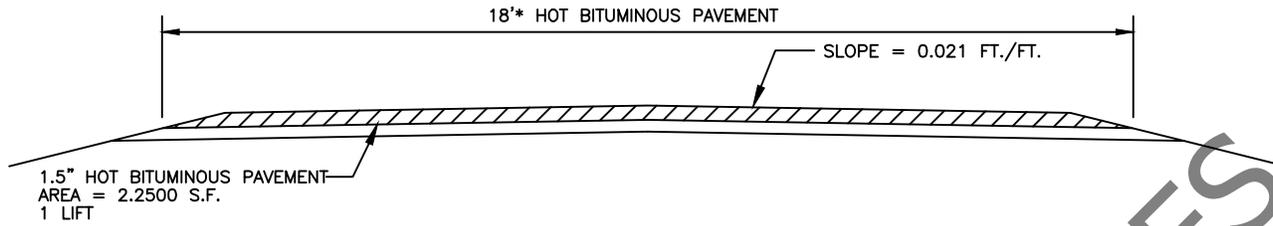
Subscribed and sworn to
before me this day

_____ County, _____
State

Notary Public

My commission expires _____

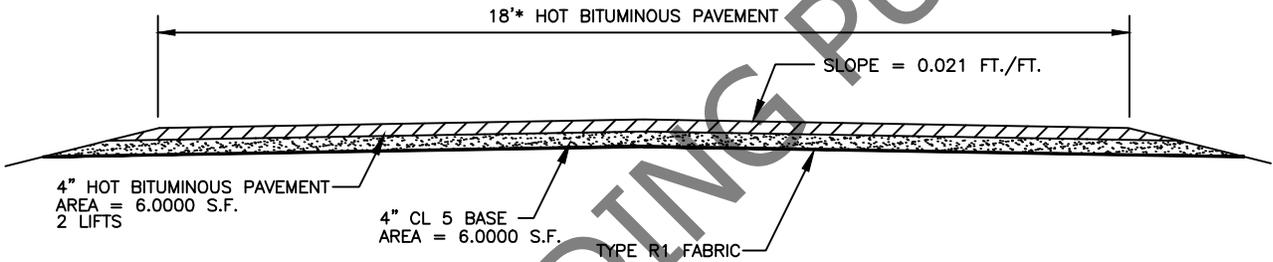




TYPICAL OVERLAY SECTION

NOT TO SCALE
12TH ST S
825 FT. TOTAL

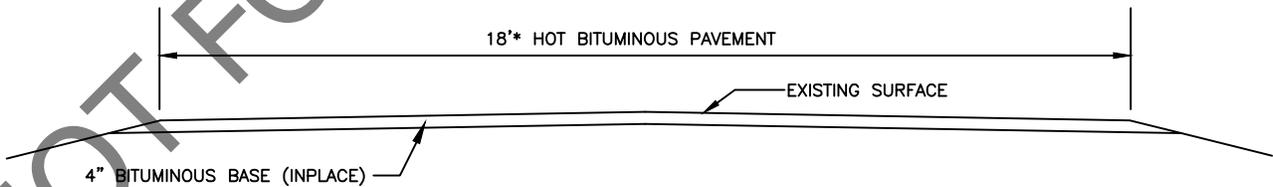
* DIMENSION MAY VARY, ENGINEER IN FIELD SHALL DETERMINE THE LIMITS OF SURFACING



TYPICAL PATCHING SECTION

NOT TO SCALE
71ST AVE S AND CHRISAN BOULEVARD
1,350 FT. TOTAL

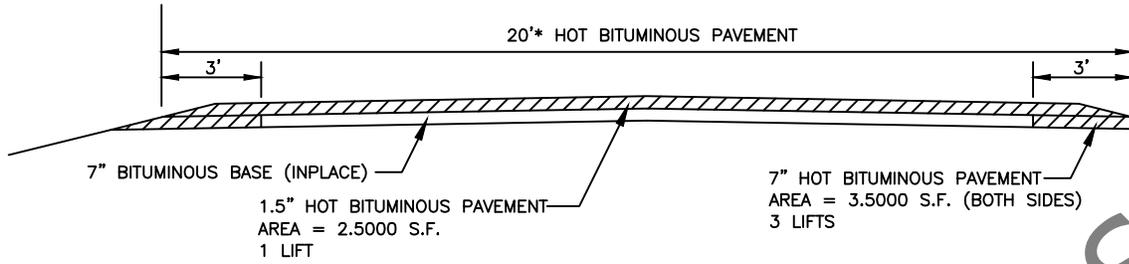
*ALL SECTIONS TO BE CHIPSEALED AFTER COMPLETION OF PATCHING AND OVERLAYS



TYPICAL EXISTING SECTION

NOT TO SCALE
71ST AVE S, 12TH ST S, CHRISAN BOULEVARD

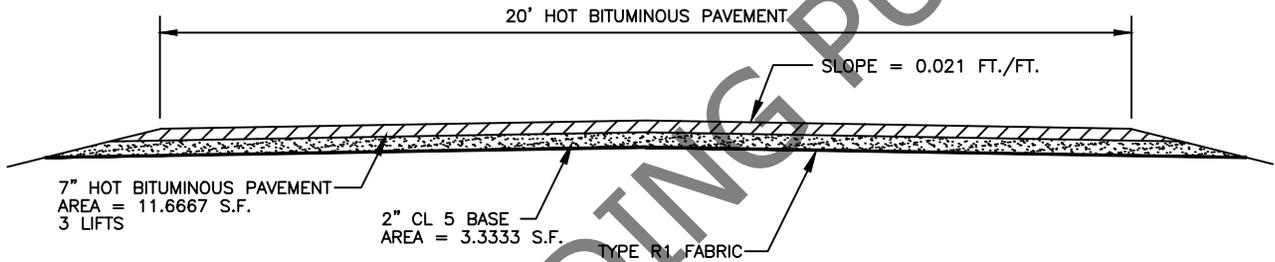
PROJECT NO. MS1101
TYPICAL SECTIONS



TYPICAL OVERLAY SECTION

NOT TO SCALE
 76TH STREET, FOREST RIVER DR, RIVER DR S, ORCHARD PARK DR
 4,575 FT. TOTAL

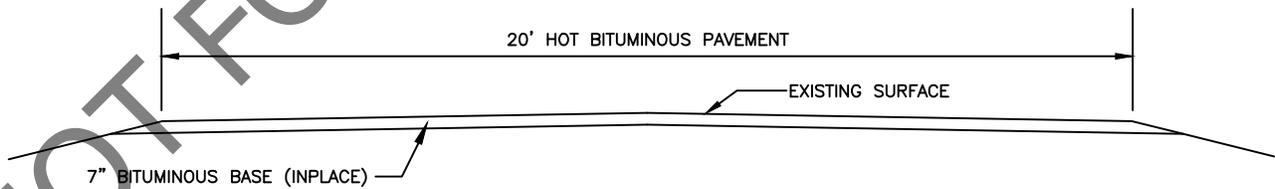
* DIMENSION MAY VARY, ENGINEER IN FIELD SHALL DETERMINE THE LIMITS OF SURFACING



TYPICAL PATCHING SECTION

NOT TO SCALE
 76TH AVE S, FOREST RIVER DR, RIVER DR S
 350 FT. TOTAL

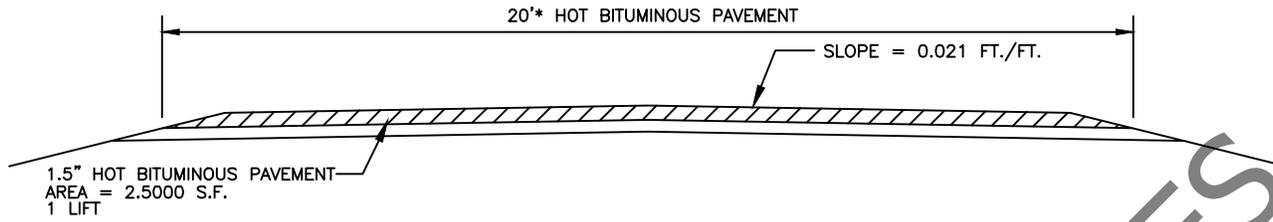
*ALL SECTIONS TO BE CHIPSEALED AFTER COMPLETION OF PATCHING AND OVERLAYS



TYPICAL EXISTING SECTION

NOT TO SCALE
 76TH STREET, FOREST RIVER DR, RIVER DR S, ORCHARD PARK DR

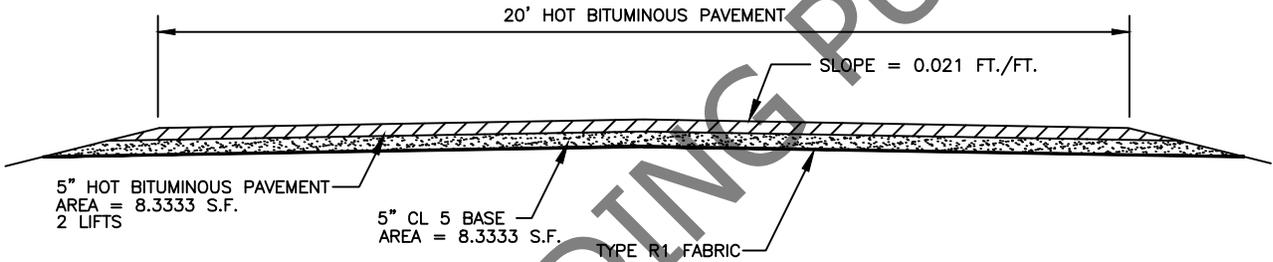
PROJECT NO. MS1101
 TYPICAL SECTIONS



TYPICAL OVERLAY SECTION

NOT TO SCALE
LIBRA LANE, RIVER VIEW RD, ROUND HILL DR
5,900 FT. TOTAL

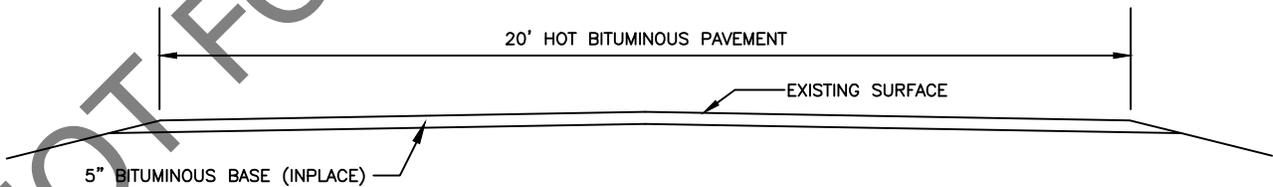
* DIMENSION MAY VARY, ENGINEER IN FIELD SHALL DETERMINE THE LIMITS OF SURFACING



TYPICAL PATCHING SECTION

NOT TO SCALE
LIBRA LANE, RIVER VIEW RD, ROUND HILL DR
485 FT. TOTAL

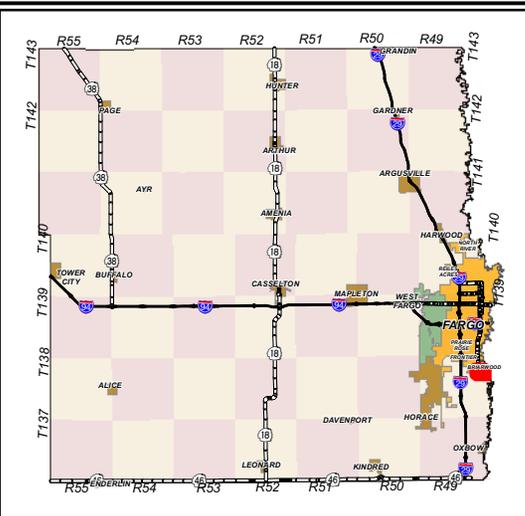
*ALL SECTIONS TO BE CHIPSEALED AFTER COMPLETION OF PATCHING AND OVERLAYS



TYPICAL EXISTING SECTION

NOT TO SCALE
LIBRA LANE, RIVER VIEW RD, ROUND HILL DR

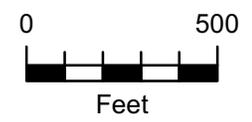
PROJECT NO. MS1101
TYPICAL SECTIONS

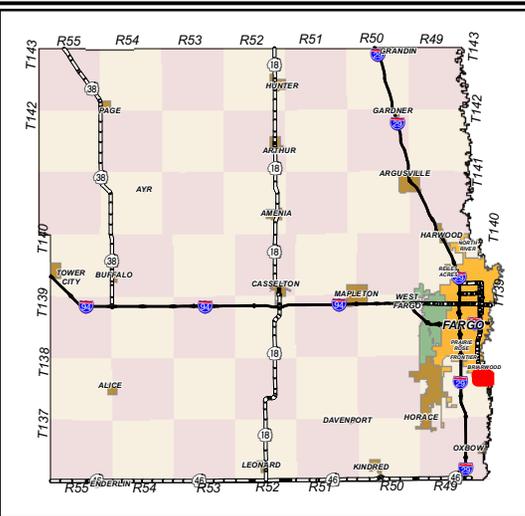


Cass County Hwy. Dept.
 1201 Main Avenue West
 West Fargo, ND 58078
 (701) 298-2370 (phone)
 (701) 298-2395 (fax)
 Web: <http://www.casscountynd.gov>
 Email: highway@casscountynd.gov

Cass County, ND
 Project Identification:
 Project No. MS1101
 Pavement Flood Repair
 Chrisan Estates
 Neighborhood

-  Patch and Chip Seal
-  Patch and 1.5" Bituminous Overlay
-  Total Reconstruction
-  Chip Seal Only

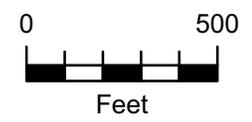


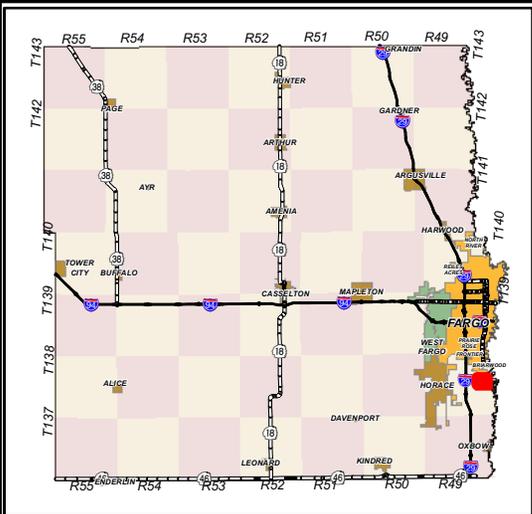


Cass County Hwy. Dept.
 1201 Main Avenue West
 West Fargo, ND 58078
 (701) 298-2370 (phone)
 (701) 298-2395 (fax)
 Web: <http://www.casscountynd.gov>
 Email: highway@casscountynd.gov

Cass County, ND
 Project Identification:
 Project No. MS1101
 Pavement Flood Repair
 Forest River/Orchard Glen
 Neighborhoods

-  Patch and Chip Seal
-  Patch and 1.5" Bituminous Overlay
-  Total Reconstruction
-  Chip Seal Only





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Cass County, ND
 Project Identification:
 Project No. MS1101
 Pavement Flood Repair
 Round Hill
 Neighborhood

-  Patch and Chip Seal
-  Patch and 1.5" Bituminous Overlay
-  Total Reconstruction
-  Chip Seal Only

