SECTION 905 -- PROPOSAL (CONTINUED)

I (We) hereby certify by digital signature and electronic submission via Bid Express of the Section 905 proposal below, that all certifications, disclosures and affidavits incorporated herein are deemed to be duly executed in the aggregate, fully enforceable and binding upon delivery of the bid proposal. I (We) further acknowledge that this certification shall not extend to the bid bond or alternate security which must be separately executed for the benefit of the Commission. This signature does not cure deficiencies in any required certifications, disclosures and/or affidavits. I (We) also acknowledge the right of the Commission to require full and final execution on any certification, disclosure or affidavit contained in the proposal at the Commission's election upon award. Failure to so execute at the Commission's request within the time allowed in the Standard Specifications for execution of all contract documents will result in forfeiture of the bid bond or alternate security.

Bidder acknowledges receipt of and has added to and made a part of the proposal and contract documents the following addendum (addenda):

ADDENDUM NO.	1	DATED	4/19/2022	ADDENDUM NO.		DATED	
ADDENDUM NO		DATED		ADDENDUM NO.		DATED	
ADDENDUM NO		DATED		ADDENDUM NO.		DATED	

Number	Description
1	Revised NTB Nos. 4121 & 4122; Revised Bid Items; Amendment EBSx Download Required.

TOTAL ADDENDA: 1
(Must agree with total addenda issued prior to opening of bids)

Respectfully Submitted,

DATE _____

_____
Contractor

BY _____
Signature

TITLE _____

ADDRESS _____

CITY, STATE, ZIP _____

PHONE _____

FAX _____

E-MAIL _____

(To be filled in if a corporation)

Our corporation is chartered under the Laws of the State of _____ and the names, titles and business addresses of the executives are as follows:

_____
President Address

_____
Secretary Address

_____
Treasurer Address

The following is my (our) itemized proposal.

NHPP-6947-01(001)/ 108244301000

Madison County(ies)

Revised 01/26/2016

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4121

DATE: 04/19/2022

SUBJECT: Specialty Items

PROJECT: NHPP-6947-01(001)/108244301 - MADISON

Pursuant to the provisions of Section 108, the following work items are hereby designated as "Specialty Items" for this contract. Bidders are reminded that these items must be subcontracted in order to be considered as specialty items.

CATEGORY: PAVEMENT STRIPING AND MARKING

Line No	Pay Item	Description
0220	626-A001	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0230	626-B002	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
0240	626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0250	626-D001	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0260	626-E001	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0270	626-G004	Thermoplastic Double Drop Detail Stripe, White
0280	626-G005	Thermoplastic Double Drop Detail Stripe, Yellow
0290	626-H001	Thermoplastic Double Drop Legend, White
0294	627-J001	Two-Way Clear Reflective High Performance Raised Markers
0300	627-K001	Red-Clear Reflective High Performance Raised Markers
0310	627-L001	Two-Way Yellow Reflective High Performance Raised Markers

CATEGORY: TRAFFIC CONTROL - PERMANENT

Line No	Pay Item	Description
0320	635-A065	Traffic Signal Head, Type 2 FYA
0330	907-632-D001	Solid State Traffic Actuated Controller, Type 1
0340	907-636-B016	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
0342	907-637-C028	Traffic Signal Conduit, Underground, Type 4, 2"
0344	907-637-D002	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"
0350	907-641-A002	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
0360	907-641-D001	Radar Vehicle Detection Cable

CATEGORY: TRAFFIC CONTROL - TEMPORARY

Line No	Pay Item	Description
0120	619-A1001	Temporary Traffic Stripe, Continuous White
0130	619-A2001	Temporary Traffic Stripe, Continuous Yellow
0140	619-A3001	Temporary Traffic Stripe, Skip White
0150	619-A4002	Temporary Traffic Stripe, Skip Yellow
0160	619-A5001	Temporary Traffic Stripe, Detail
0170	619-A6001	Temporary Traffic Stripe, Legend
0180	619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet
0190	619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More

CATEGORY: TRAFFIC CONTROL - TEMPORARY

Line No	Pay Item	Description
0200	619-G4001	Barricades, Type III, Double Faced

MISSISSIPPI DEPARTMENT OF TRANSPORTATION

SECTION 904 - NOTICE TO BIDDERS NO. 4122 **CODE: (SP)**

DATE: 04/19/2022

SUBJECT: Scope of Work

PROJECT: NHPP-6947-01(001) / 108244301 -- Madison County

The contract documents do not include an official set of construction plans but may, by reference, include some Standard Drawings when so specified in a Notice to Bidders entitled, "Standard Drawings".

A general description of the work required on the project is to mill and overlay approximately 2.7 miles of existing composite pavement on SR 463 from the end of the 2-lane section west of I-55 (BOP Station 100+00) to US Highway 51 (EOP Station 244+25) in Madison County. Details of specific work are mentioned in the following sections.

Station 100+00 (BOP) to Station 244+25 (EOP)
Work in this area shall consist of milling all mainlines lanes, the local roads, and driveway pads to a depth of 2" and variable to provide for grade profile, cross-slope with intent to correct to 2% in the tangent sections. The milled area will then be inlaid with 2" of 12.5-mm, HT, Polymer Modified asphalt as per the attached typical sections. Intersecting roads, crossovers, etc. will be milled 2" and overlaid with 2" of 12.5-mm, MT asphalt.

GENERAL NOTES: These general notes are applicable to all sites.

Milling
Milling/paving will not begin until an **approved** asphalt mix design has been received, nor until such time that, in the opinion of the Engineer, weather conditions have been consistently suitable enough to allow placement of the asphalt pavement after the milling operations.

The reclaimed asphalt pavement (RAP) material removed by the milling operation shall become the property of the Contractor.

Where milling is required, the Contractor shall provide outlets in the existing shoulders at sufficient intervals to prevent pooling or standing water on the milled surface; the cost of which shall be absorbed in other items bid.

Milling and paving operations shall be performed such that a -2% slope from centerline is provided in normal crown roadway sections. Superelevation through curves shall be maintained as it currently exists or improved as directed. Where slope correction is required correction will be made by milling, paving, or combination thereof as directed by the Engineer. Milling correction: Mill outside edge of pavement to a depth of 1½" on a 2% slope towards the centerline. Paving Correction: Mill to depth of 1½" on existing slope and 2¼" and variable on centerline and 1½" on

outside edge. Combination Method: Combination of both methods as directed by the Engineer to achieve the desired slope. In super elevated areas where correct SE exist, milling will transition to thickness through curves. Where correct SE does not exist, milling will transition at curves to correct SE as directed by the Engineer.

Milling operations shall be performed in accordance with the contract documents and the Standard Specifications. Variable width and length transitions may be required for ties at ramps, local roads, project limits.

Milling of driveway pads shall be conducted in a manner to prevent gouging or otherwise affecting the roadway pavement structure and slope. Milling of driveway pads shall not be done in simultaneous path with main line milling.

Traffic will be allowed to run on the milled surface for a maximum of five (5) days. Milling shall be performed in accordance with the attached drawings. Traffic will be allowed to run on all milled tie-ins. Temporary pavement joints (paper joints) shall be at least three (3) paper-widths long shall be used at all milled tie-ins and shall be adequately maintained. Approved mix designs must be on hand prior to milling. Milling operations will not commence until such time that, in the opinion of the Engineer, weather conditions have been consistently suitable enough to allow the placement of the asphalt pavement after the milling operations.

Intersecting roads/crossovers shall be milled 2” to the EOM and paved with 2” of 12.5-mm, MT asphalt.

Paving

Prior to mill and overlay operations all failed areas shall be repaired to full depth or as directed by the Engineer with 12.5-mm, MT, Leveling asphalt as per the attached typical sections and details. Asphalt shall be placed in multiple lifts with a maximum lift thickness of three inches (3)”. Payment for the excavation of the granular base and subgrade will be made using pay item 203-G: Excess Excavation. A list of the failed areas is shown in the attached tables. Pavement repairs shall be completed as a continuous operation in order to minimize traffic impacts. Lane closures shall remain in place until the failed area has been completely repaired.

Publicly maintained roads and streets shall be paved to the existing right-of-way and in accordance with the attached drawings. Privately owned entrances shall be paved to the shoulder line per the included typical drawing unless otherwise directed. Pad dimensions shall match the existing lengths and widths unless otherwise directed. Pads shall be shaped horizontally and vertically to prevent excessive drop-offs. Any new driveway pads deemed necessary by the Engineer shall be placed according to specifications.

If traditional excavation methods are used, the removal area shall first be saw cut full depth including concrete, where applicable, to create a neat line and prevent damage to the adjacent pavement structure. Payment for saw cuts will be made using the appropriate items. If milling techniques are used, the area will not require saw cuts but care should be exercised to create a neat removal line and to prevent damaged to the adjacent pavement structure.

Granular Shoulder Material

Granular material shall be provided around driveway pads as directed to prevent shoulder drop-offs and shall be placed in a timely manner. Drop-offs exceeding 2½" shall be corrected within two (2) calendar days of placement. Granular material shall be used to correct all drop-offs along intersecting roads and crossovers and as directed by the Engineer.

Where applicable, the existing shoulders shall be raised to match the new pavement elevation by placing variable depth granular material on the existing shoulders. Placement of the granular material on the finished asphalt course shall not be permitted. The material shall be bladed, rolled, and compacted to a finished slope of four percent (4%). Placement of this material shall be performed to provide a uniform and compacted shoulder with a minimum depth and width of material placed. **Shoulders with adequate shoulder material in place shall be bladed to a slope of four percent (4%). The cost of blading will be an absorbed item and all costs shall be included in the cost of other items bid.**

Temporary And Permanent Pavement Markings

Some modifications to the existing temporary and permanent marking are required at MS 463/I-55 Interchange; see included drawings for modification details.

Temporary traffic stripe will be required immediately after the milling and/or required overlay and prior to opening area to traffic. Temporary stripe shall be placed in the same location and configuration as the permanent stripe except that it may be offset as required for milling and paving operations. If temporary stripe is offset, the Contractor shall conduct operations in a manner to insure the final temporary stripe is placed at the required location of the permanent stripe. If removal of temporary offset stripe is required in order to achieve the correct location and alignment of permanent stripe, the cost of removal shall be absorbed in other items bid. Placing double temporary centerline will not be allowed.

Temporary striping shall conform to finished stripe specifications for alignment, neatness, and straightness.

The use of short strips of traffic tape will not be allowed unless approved by the Engineer.

Temporary raised pavement markers shall be placed along the centerline of the roadway in any areas expected to be dormant for more than 90 days and/or as directed by the Engineer. Costs of temporary raised pavement markers shall be included in pay item 618-A: Maintenance of Traffic.

All permanent striping will be double drop thermoplastic, 90-mil thickness unless otherwise specified in Subsection 626.03.1.2. Edge lines will be placed to accommodate the lane widths shown on the attached applicable typical sections unless prevented by field conditions.

Traffic Signals

In order to prevent long term disruptions of normal signal timing operations, the signal modifications and radar detection shall be completed prior all milling/paving activities in the applicable areas. Concurrent milling/paving and signal replacement operations will be allowed provided the established signal operations are not affected. This is applicable in most areas that

depend on signals for effective and efficient traffic flow and should be used when we're replacing loops with radar.

Vehicle loop detectors at desired locations shall be replaced with radar detection sensors. Radar units shall be installed per manufacturer's recommendations. Existing EPAC controllers shall be replaced with new controllers and existing EPAC controllers shall be salvaged and delivered to MDOT Signal Shop (601-359-1493). It is the responsibility of the Contractor to coordinate delivery of existing EPAC controllers with MDOT personnel to MDOT signal shop. The Contractor shall also be responsible for transferring existing controller data to the new controllers. The Contractor may remove existing detection loop cable, if necessary. Cable quantities may be adjusted based on radar locations per manufacturer recommendations. Removal of vehicle loop detection cable shall be absorbed into other items bid.

#1 Replace existing EPAC Controllers with new controllers. Existing EPAC controllers shall be salvaged to MDOT Signal Shop (601-359-1454). Contractor shall be responsible for transferring existing controller signal timings and communication data to the new controllers.

#2 Radar units shall be mounted per manufacture recommendations. Mounting and setup of all radar units shall be performed prior to all milling operations. Contractor shall be responsible for setting up all detection units to communicate with MDOT Network via existing network switch in each signal cabinet. MDOT shall provide the IP addresses.

#3 The Contractor may remove existing detection loop cable, if necessary.

#4 Cable quantities may be adjusted based on radar locations per manufacturer recommendations.

#5 Pay items 907-637-C & 907-637-D are to be used as directed by the Engineer if the existing conduit is determined to be unusable.

#6 Type 2FYA is to be installed for the Westbound approach at MS 463 and Colony Crossing Way. All cabinet modifications are to be included as part of this pay-item 635-A.

Traffic Control

The Contractor shall erect and maintain construction signing and provide all signs and traffic control devices necessary to safely maintain traffic around and through the work areas in accordance with the Traffic Control Plan and the MUTCD. The cost shall be included in the price bid for pay item 618-A: Maintenance of Traffic. Fluorescent orange sheeting shall be used on all construction and traffic control signs except those designated in the plans to be black legend and border on white background.

Standard roadside construction signs, barricades, etc. shall be placed in accordance with the attached tables, drawings, and as directed by the Engineer. W20-1 signs shall be placed on all public road approaches as shown or as directed. Payment for standard roadside construction signs, barricades, etc. will be made using the appropriate pay items.

The Contractor shall on a daily basis, remove all debris and equipment from within the roadway and a 30-foot clear zone which, in the opinion of the Engineer, is a hazard to the traveling public. This activity shall begin with the beginning of work or the beginning of the contract time, whichever comes first. No direct payment will be made for the debris removal; the cost shall be included in the prices of other items bid. Failure of the Contractor to remove the debris as prescribed herein shall be just cause for withholding the monthly progress estimate payment or suspending active operations until the debris is satisfactorily removed by the Contractor.

Temporary asphalt joints (aka paper joints) shall be employed at all locations requiring traffic to traverse an uneven, transverse, pavement joint. Paper joints shall be a minimum of nine feet (9') in length and for the full width of the milled/paved surface. Paper joints shall be adequately maintained.

Potholes that may exist or occur in the existing pavement are to be patched in a timely manner as required. Patching of potholes shall be considered an absorbed item.

Miscellaneous Notes

It shall be the responsibility of the Contractor to protect existing structures such as pipes, inlets, aprons, bridges, etc. from damage which might occur during construction. The Contractor shall replace or repair, as directed by the Engineer, any structures damaged by the Contractor during the life of the contract. No payment will be made for replacement or repair of damaged items.

Any signs that are in conflict with construction of this project shall be removed and relocated by the Contractor as directed by the Engineer; the cost of which is to be absorbed in other items bid.

Existing raised pavement markers shall be removed prior to beginning the overlay operation. All costs associated with removing the existing pavement markers shall be included in the price for other items bid.

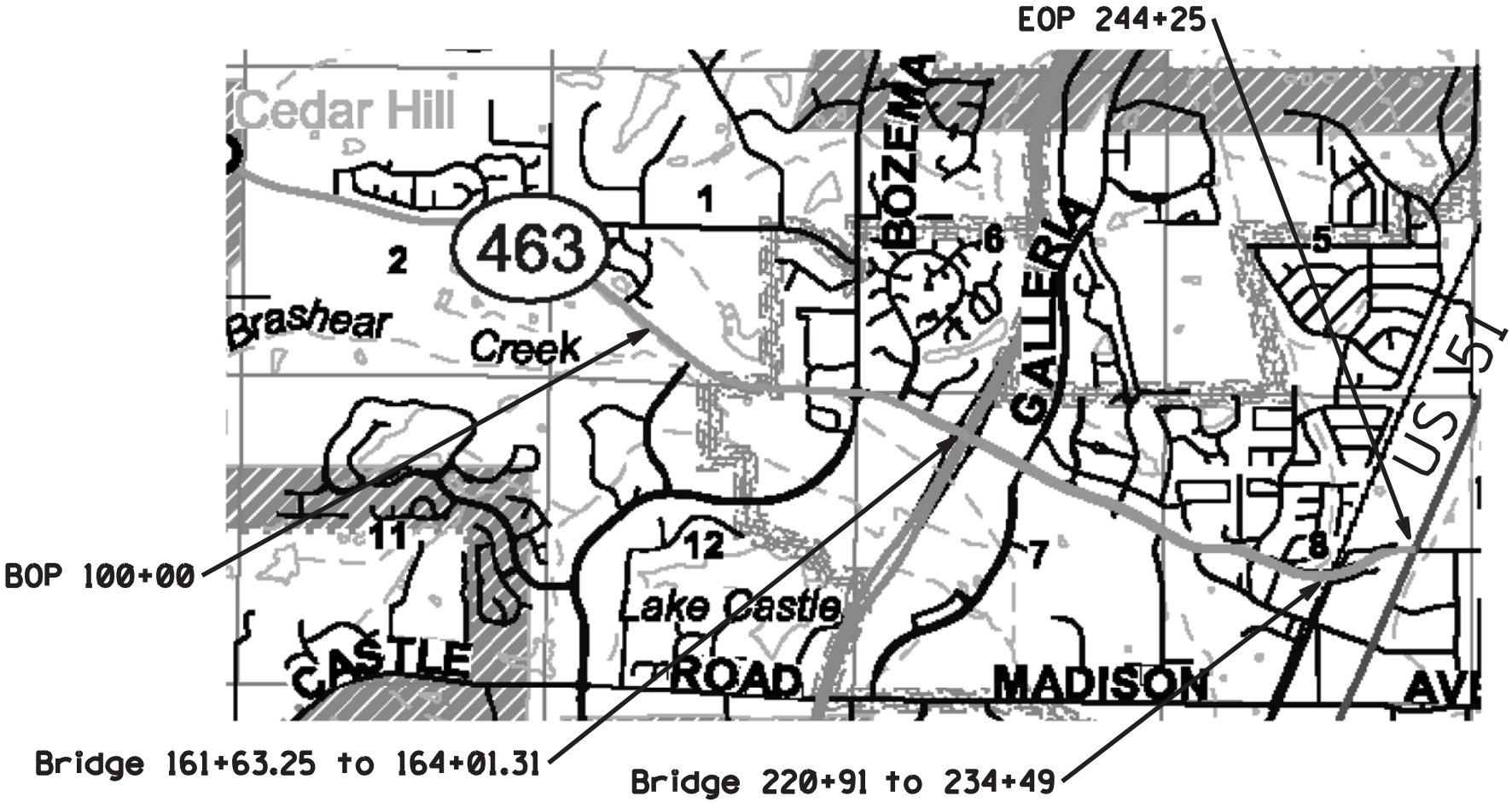
Prior to the final inspection, bridges, islands, and areas with curb shall be swept/cleaned. Care should be taken to prevent milled asphalt, asphalt debris, vegetative/granular debris, etc. from entering drainage structures or clogging other drainage ways. Disposal of material will not be measured for separate payments.

Incidental work such as removing vegetation, shaping and compacting shoulders, removing and resetting signs and/or mailboxes, removing excess asphalt material, project clean-up, and other items of incidental work necessary to complete the project will not be measured for separate payment and will be considered included in the prices of items bid.

Pedestrian facilities within the limits of the project shall be modified to comply with ADA Standards and requirements to the maximum extent feasible. The Contractor shall provide adequate pedestrian traffic control devices throughout the limits of construction. The Contractor shall make necessary modifications to all facilities that prohibit pedestrian accessibility throughout the limits of constructions. All labor, equipment, and materials required to remove and replace existing sidewalk with ADA compliant facilities shall be paid using 202-B: Removal of Concrete Sidewalk and 608-B: Concrete Sidewalk with Reinforcement. All locations required to be

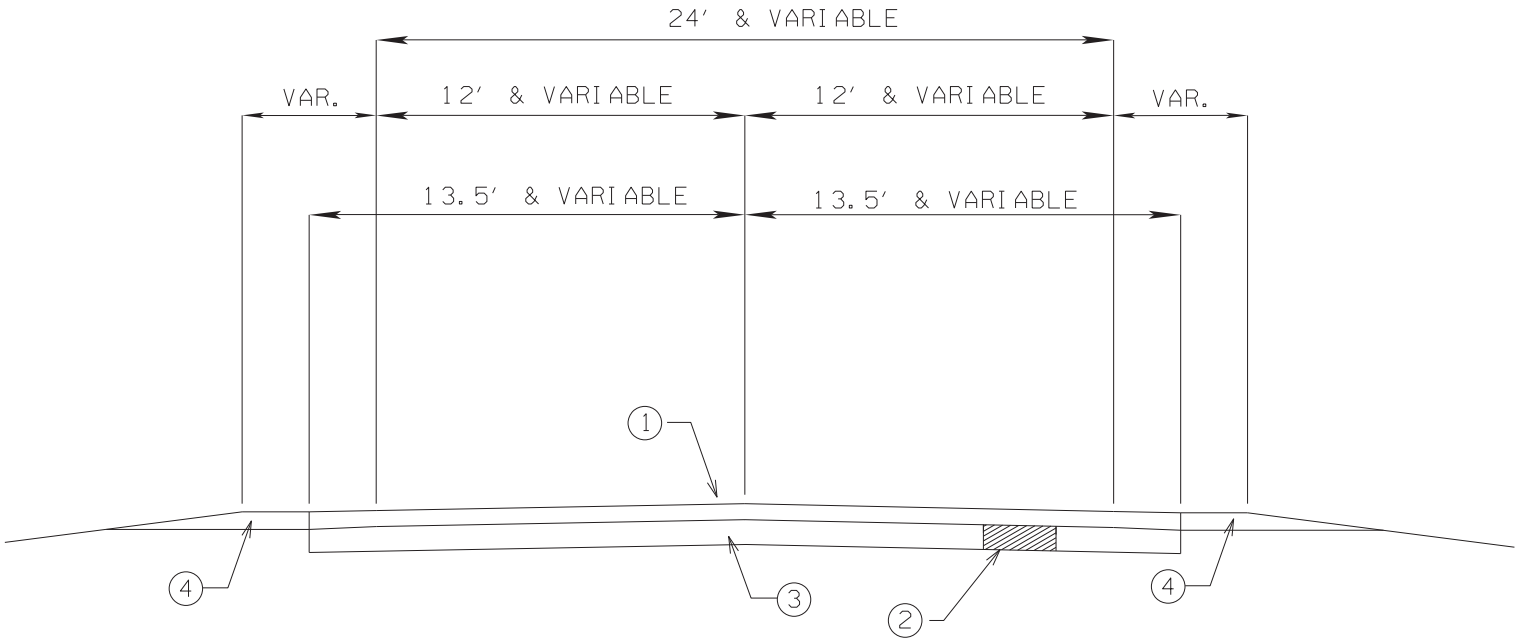
modified are provided in the included tables and drawings. The specifications for the repairs being made are in the details of the included typical sections and standard drawings for curb ramps and sidewalk vertical discontinuity requirements.

SR 463 OVERLAY PROJECT
FROM 2 LANE TO EAST OF US 51
MADISON COUNTY
108244/301000



MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
FROM 2 LANE TO US 51

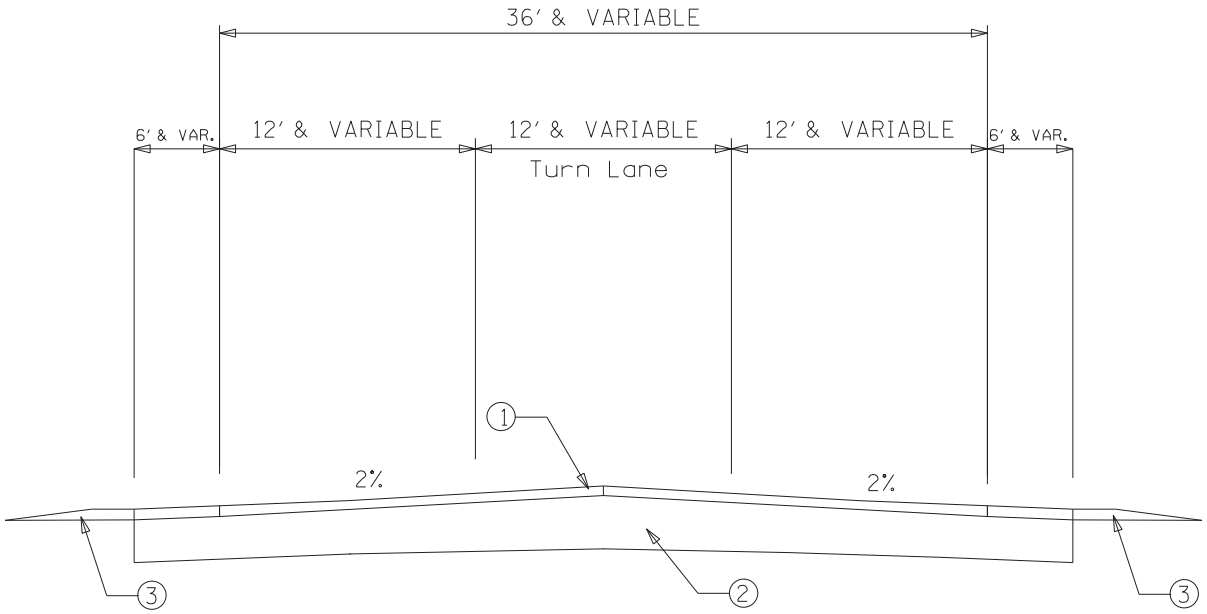
STA 100+00 TO STA 108+34



(1) Mill 2" and overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
(2) Failed areas to be removed and back filled with asphalt pavement 12.5mm Mix,MT leveling as directed.
(3) Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
(4) Crushed Stone

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
FROM 2 LANE TO US 51
3 LANE SECTIONS

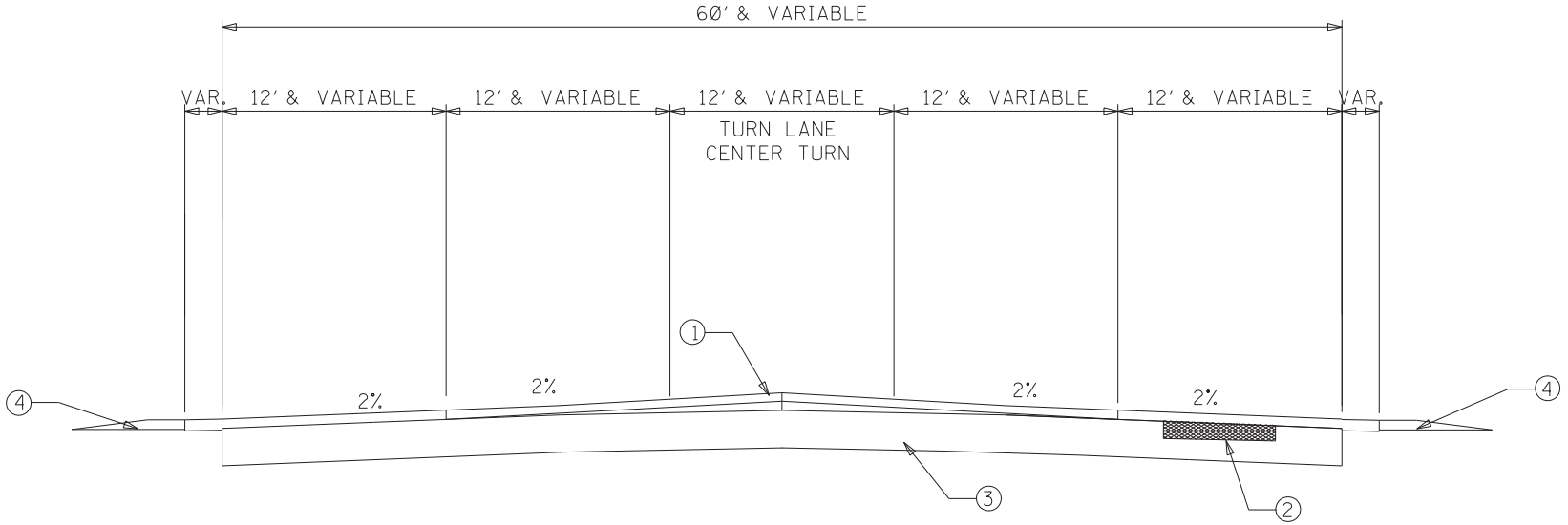
STA 108+34 - STA 114+22



① Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
② Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
③ Crushed Stone

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
FROM 2 LANE TO US 51
5 LANE SECTIONS

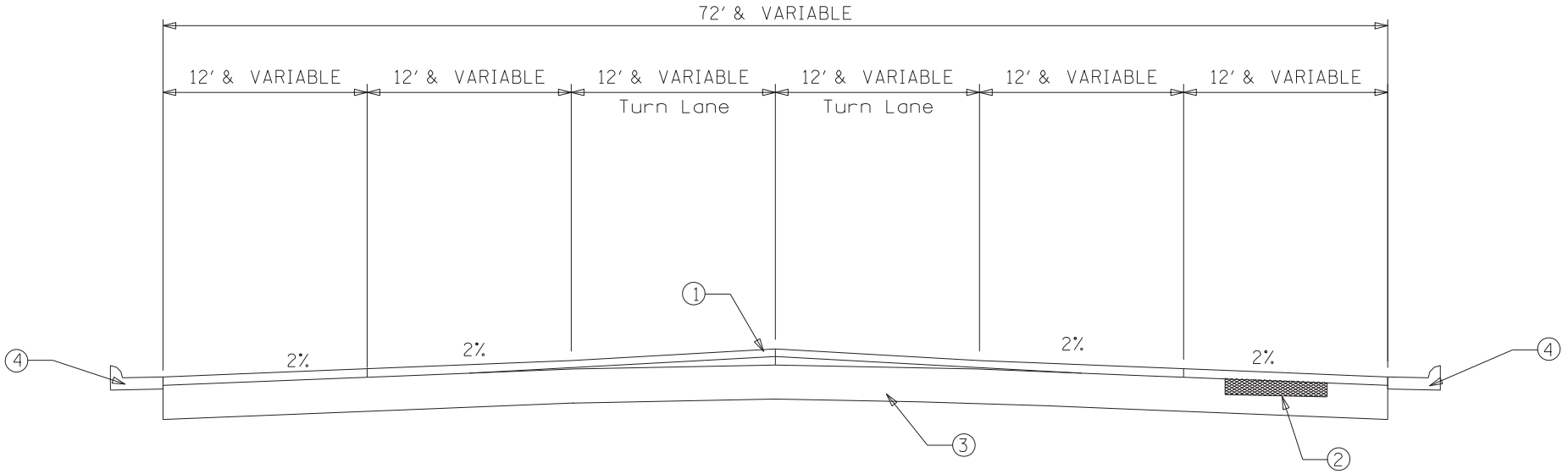
STA 114+22 - STA 141+14



① Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Granular Material Crushed Stone

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
FROM 2 LANE TO US 51
6 LANE SECTIONS

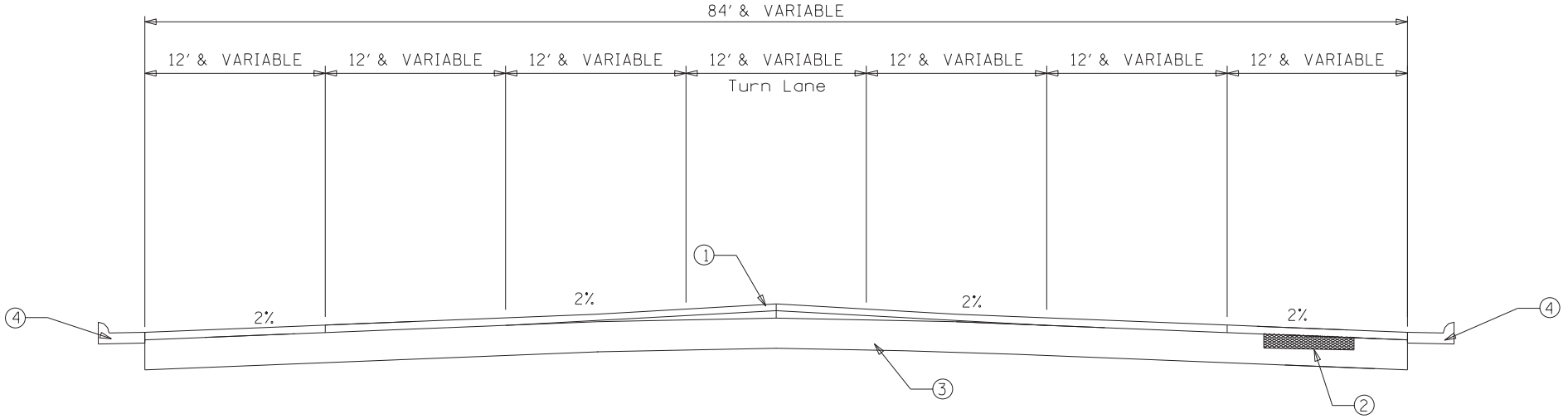
STA 141+14 - STA 144+71



① Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure(5 3/4" - 9 1/2" HMA)
④ Curb and Gutter

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
FROM 2 LANE TO US 51
7 LANE SECTIONS

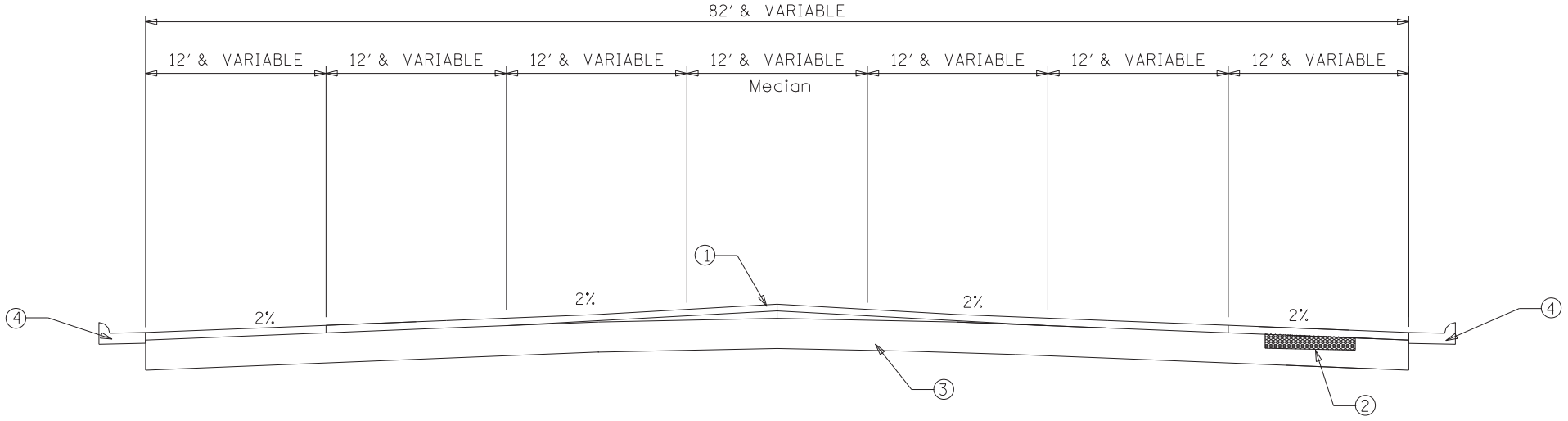
STA 144+71 - STA 148+71



① Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5¾" - 9½" HMA)
④ Type 3 Curb and Gutter

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

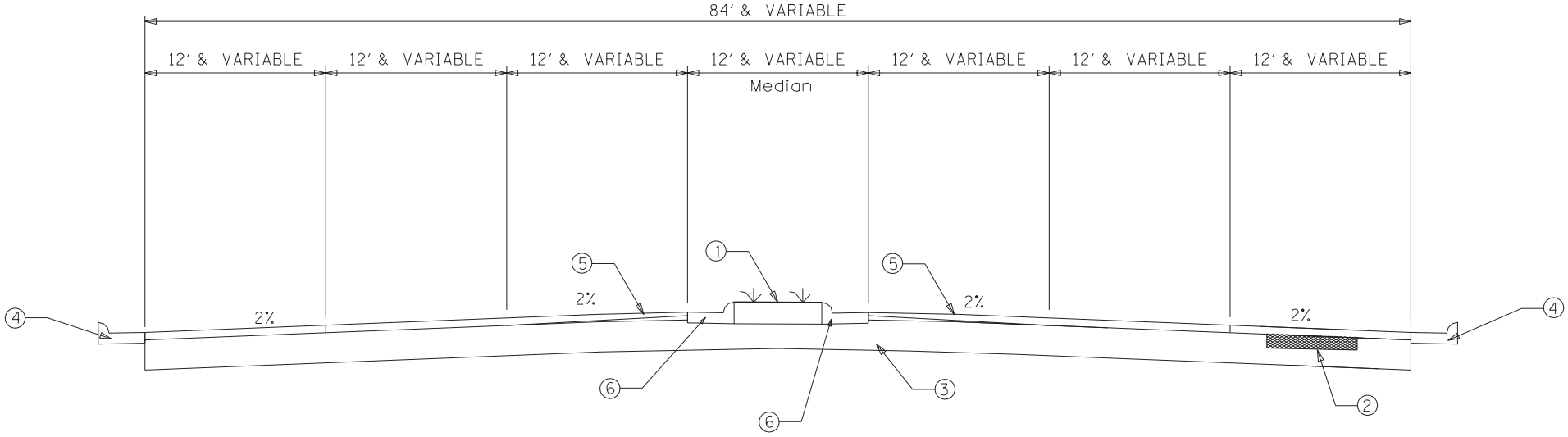
STA 148+71 - STA 152+58



① Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

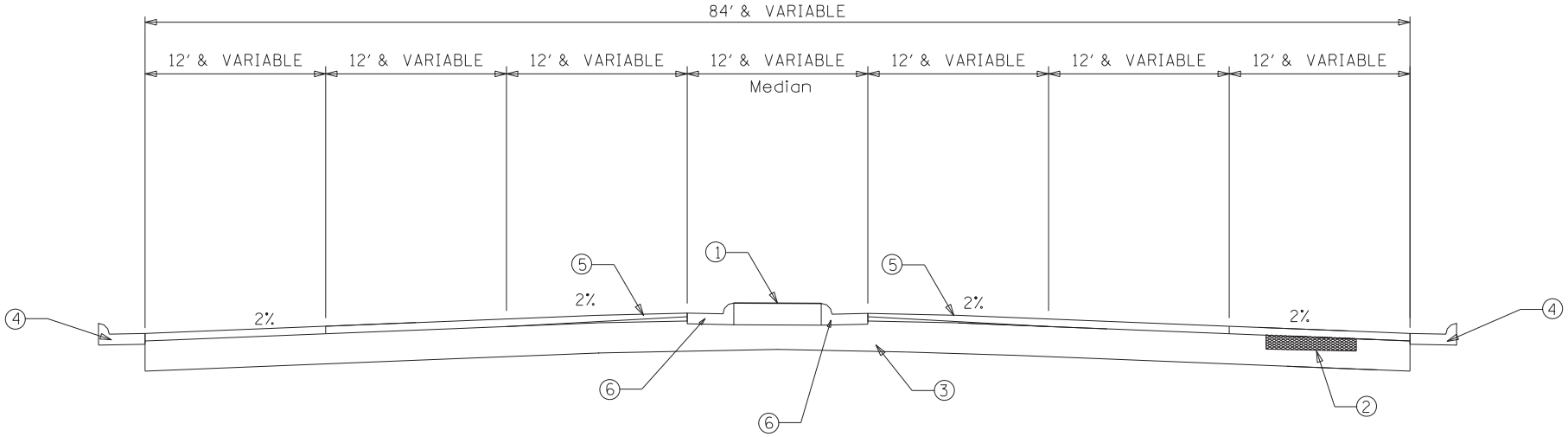
STA 152+58 - STA 156+47



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

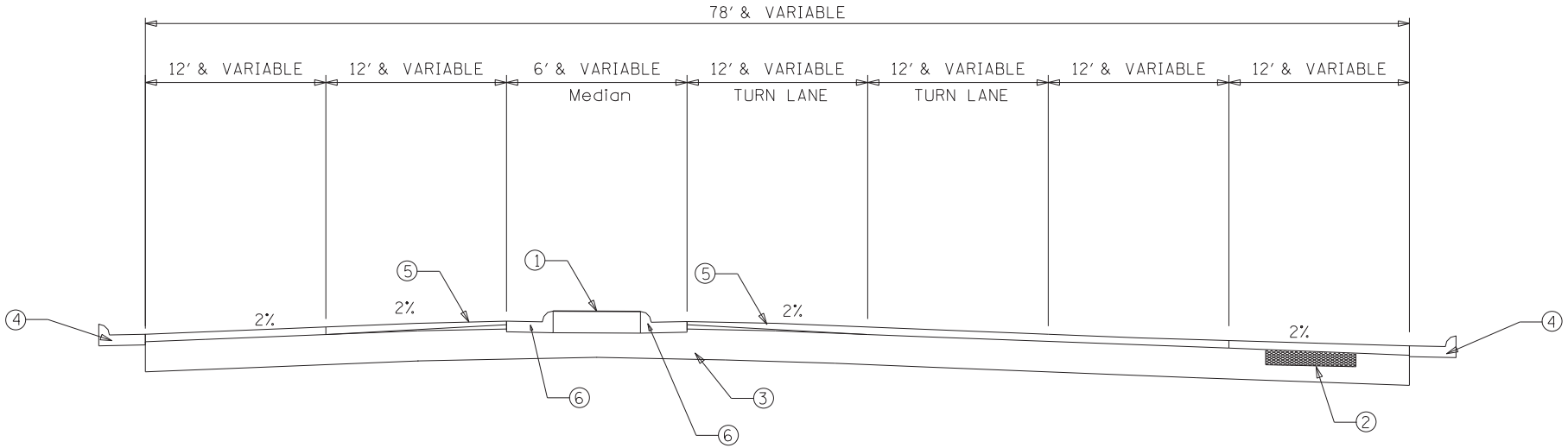
STA 156+47 - STA 158+09



① Concrete Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

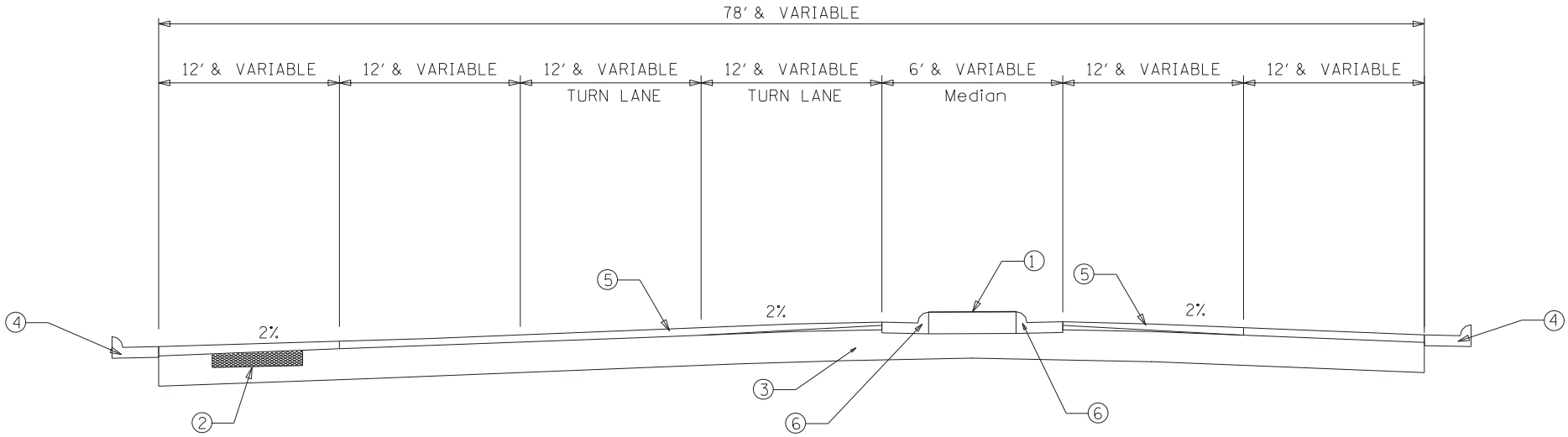
STA 158+09 - STA 161+30



① Concrete Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb & Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

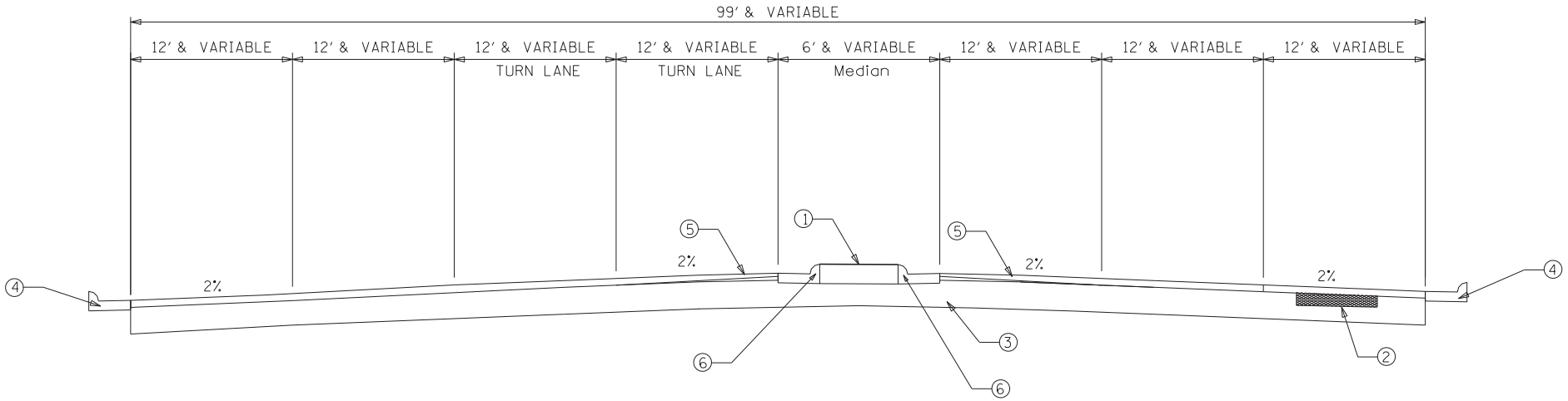
STA 161+30 - STA 165+39



① Concrete Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb & Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
7 LANE SECTIONS

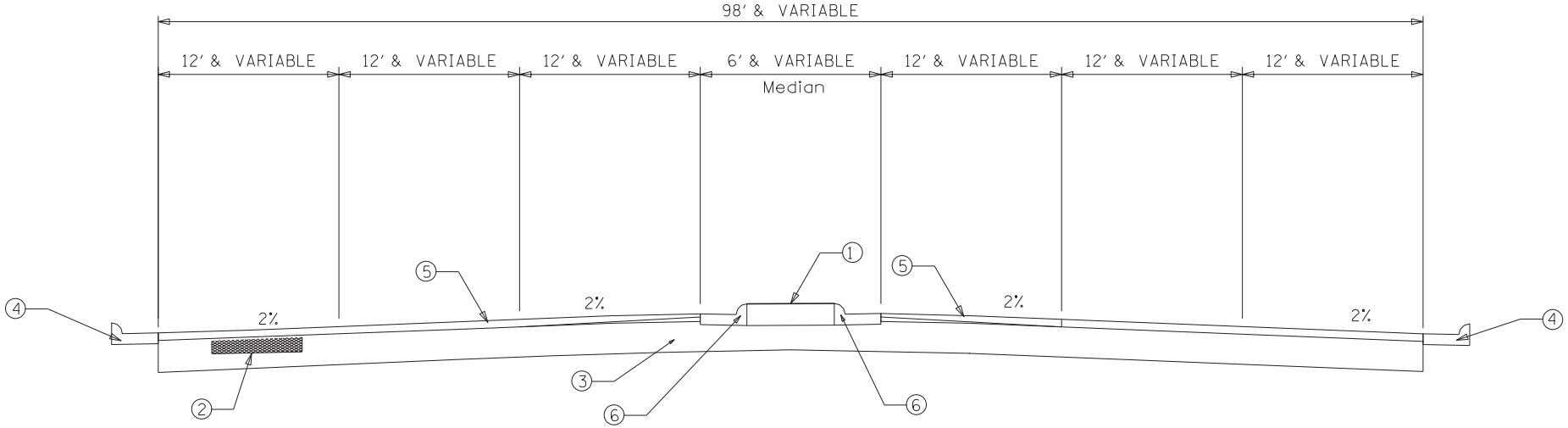
STA 165+39 - STA 168+31



① Concrete Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb & Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

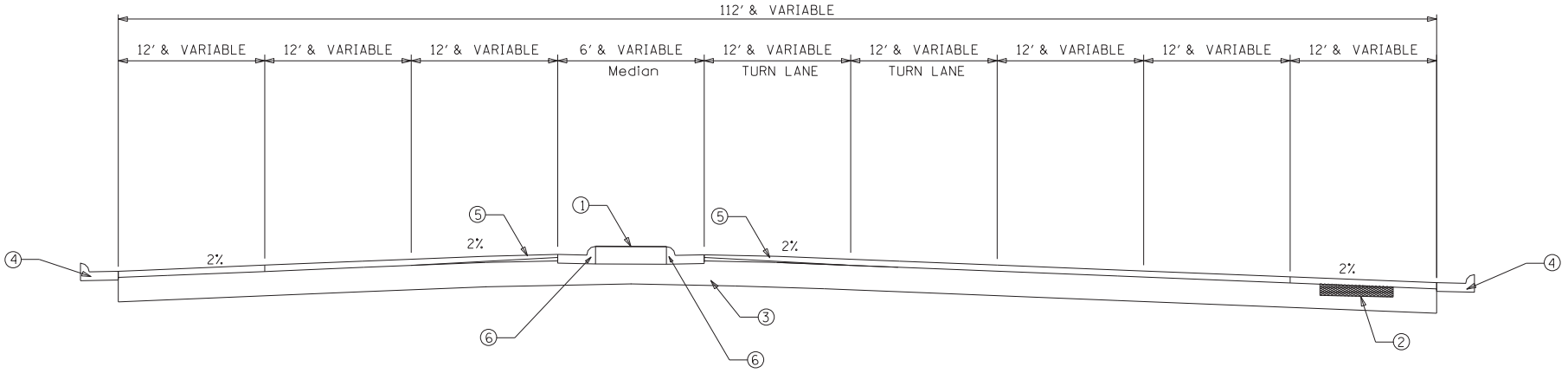
STA 168+31 - STA 169+82



① Concrete Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb & Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
8 LANE SECTIONS

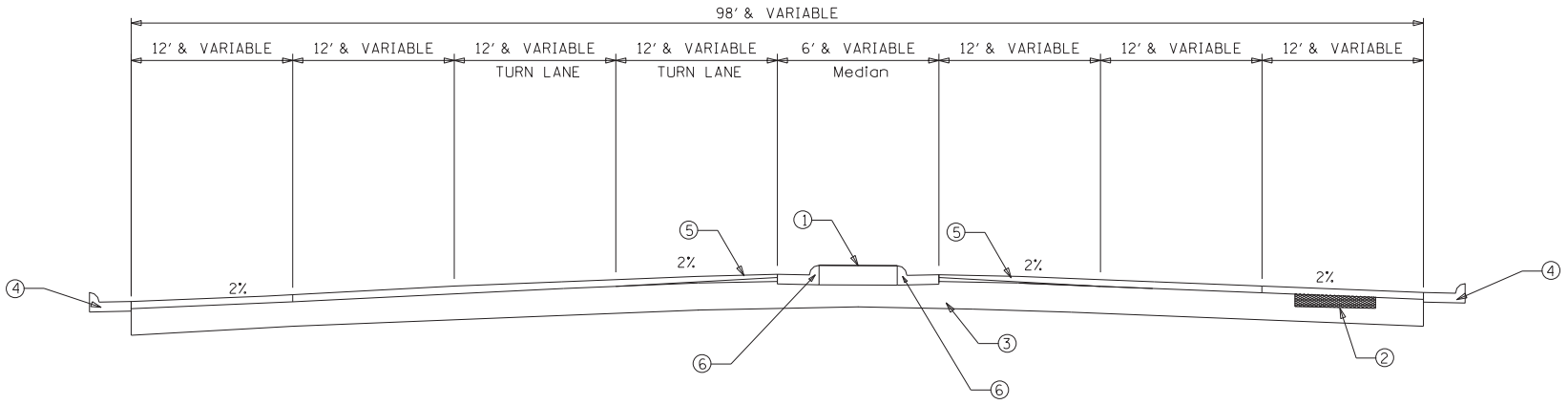
STA 169+82 - STA 173+57



① Concrete Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb & Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
7 LANE SECTIONS

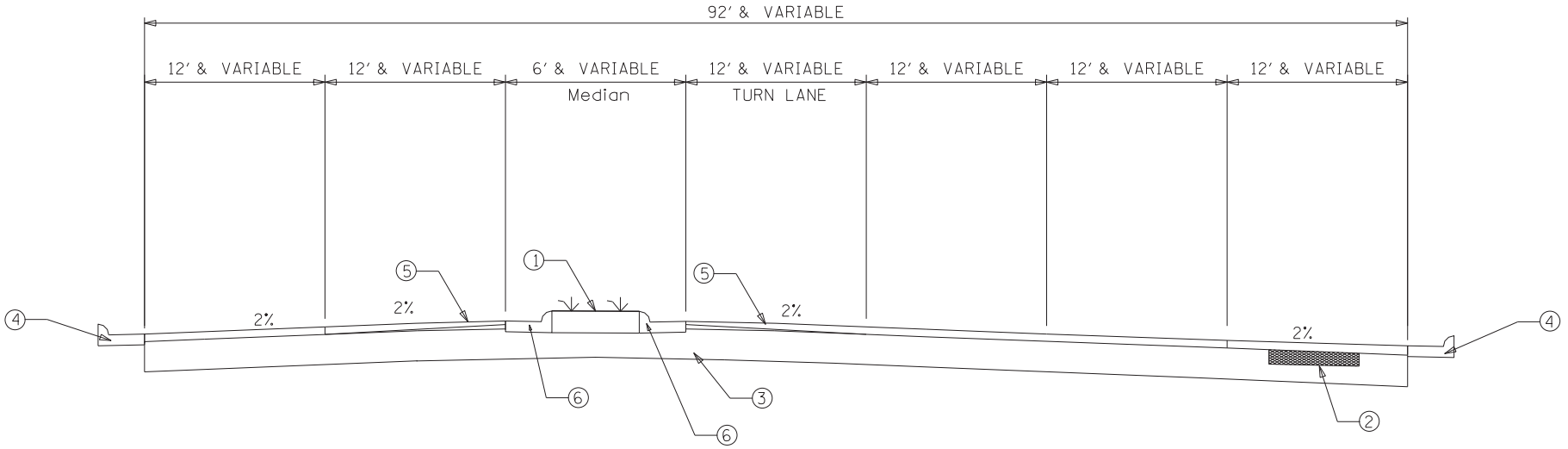
STA 173+57 - STA 177+93



① Concrete Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb & Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

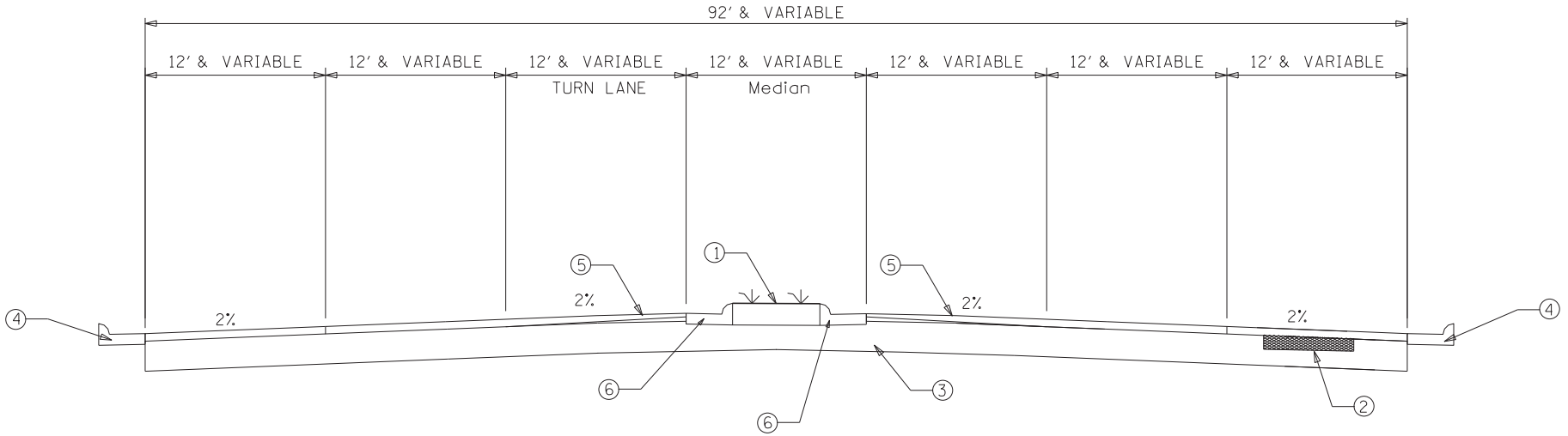
STA 177+93 - STA 181+22



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb & Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

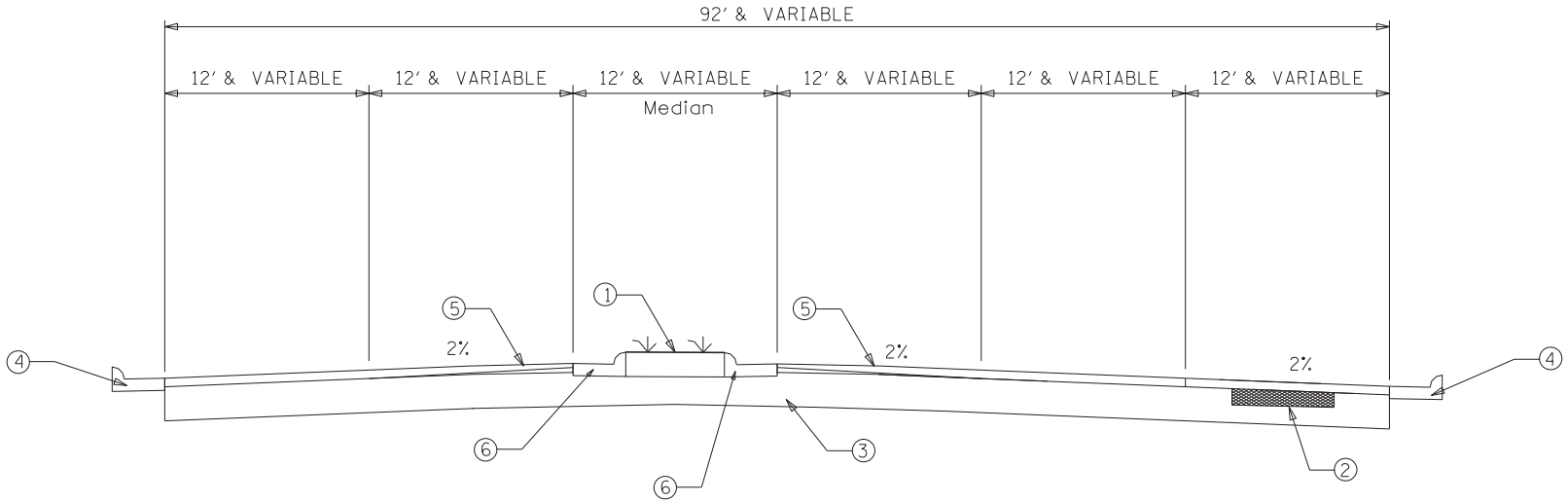
STA 181+22 - STA 183+83



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

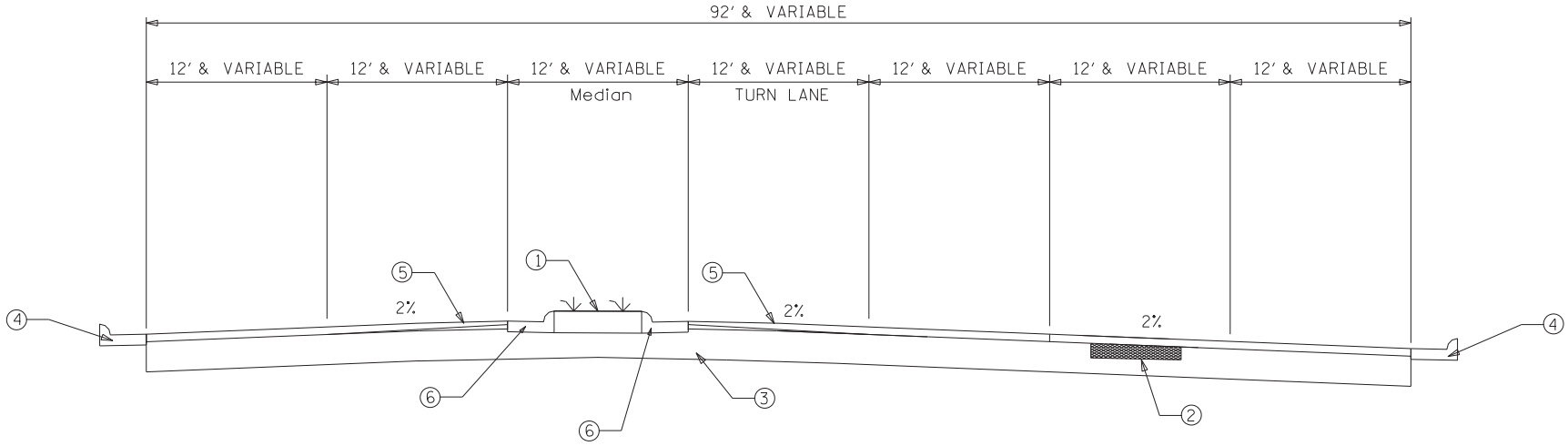
STA 183+83 - STA 187+52



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

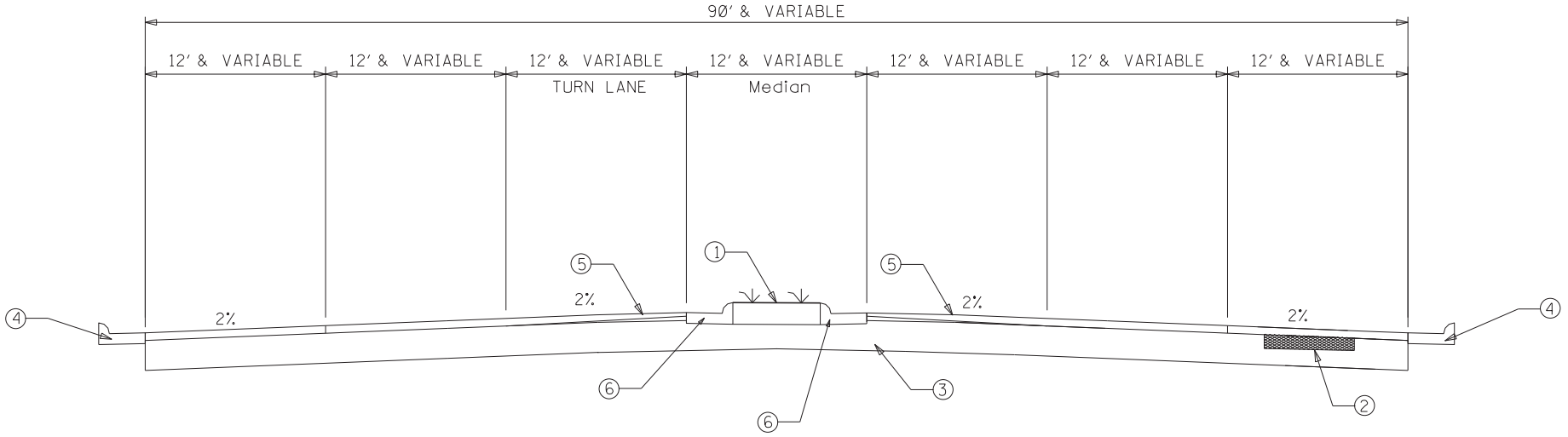
STA 187+52 - STA 190+09



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
6 LANE SECTIONS

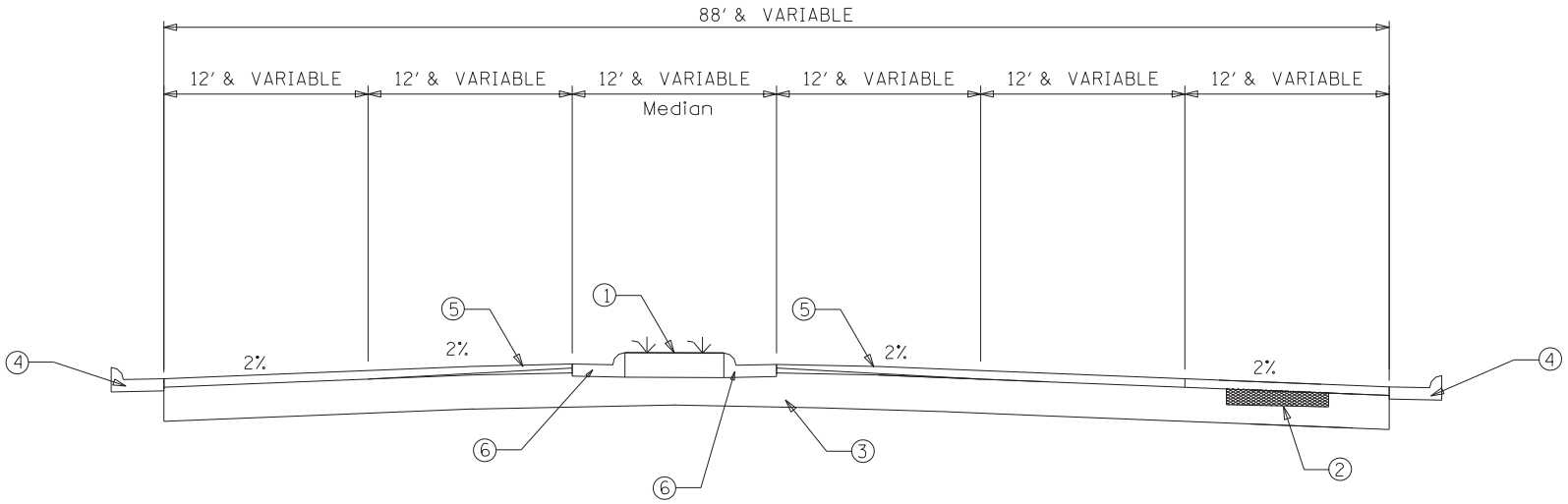
STA 190+09 - STA 192+59



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
5 LANE SECTIONS

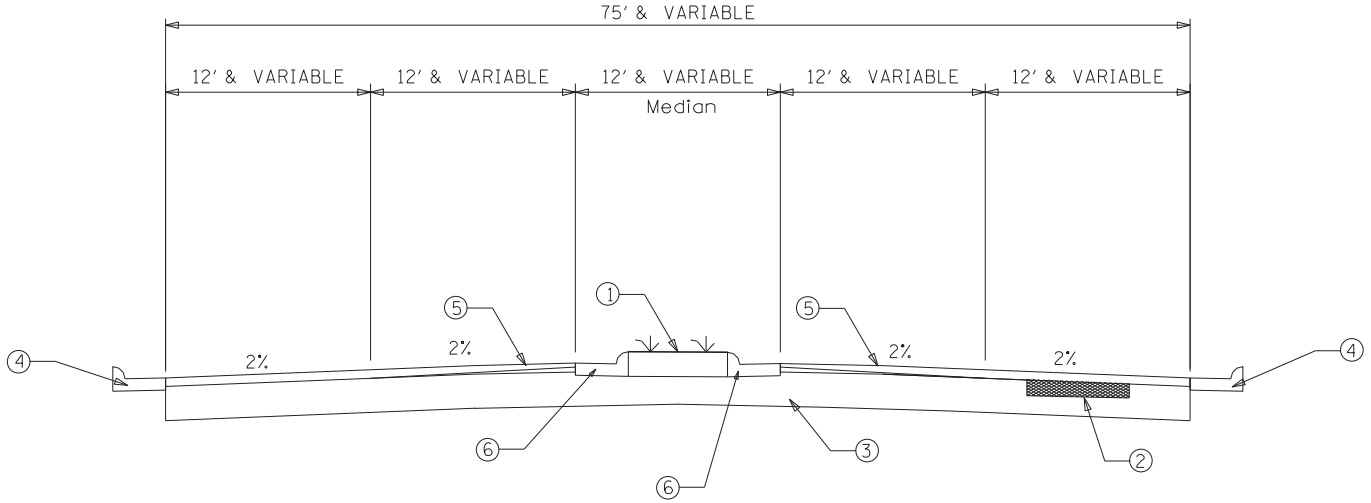
STA 192+59 - STA 195+00



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
4 LANE SECTIONS

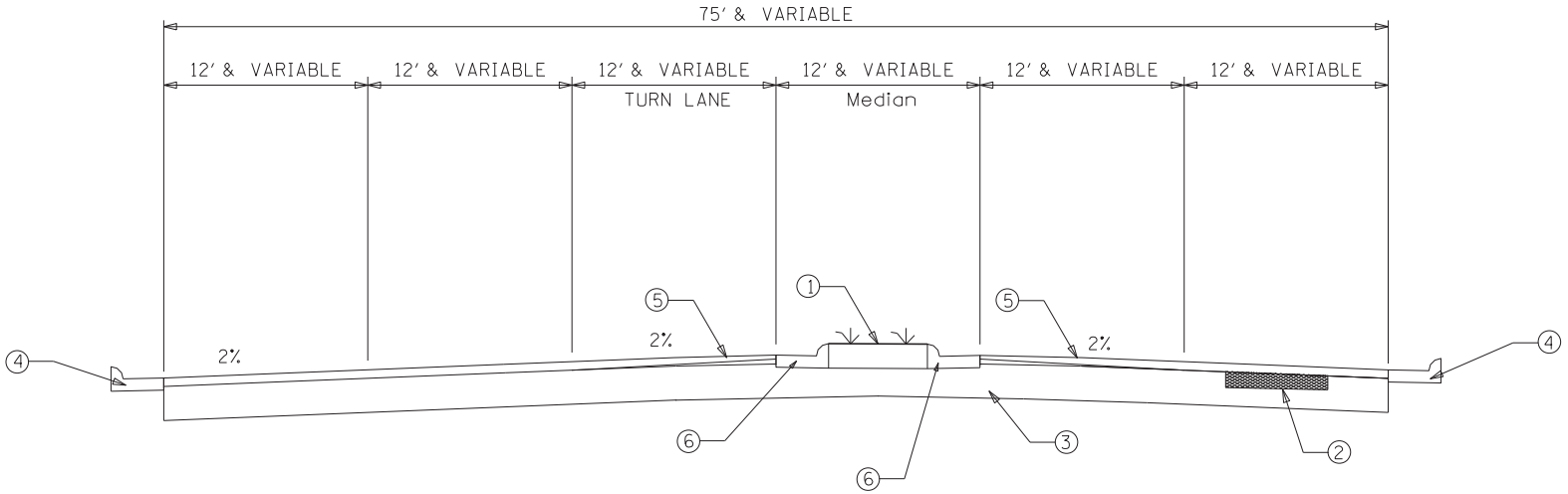
STA 195+00 - STA 198+69



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
5 LANE SECTIONS

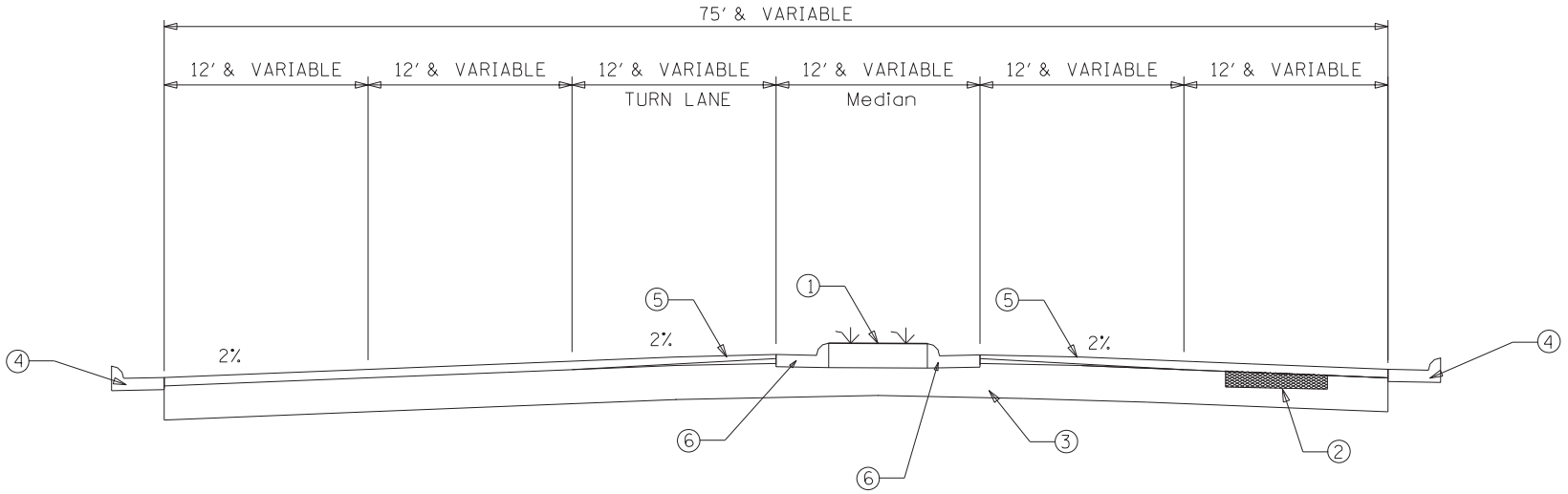
STA 198+69 - STA 202+05



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
5 LANE SECTIONS

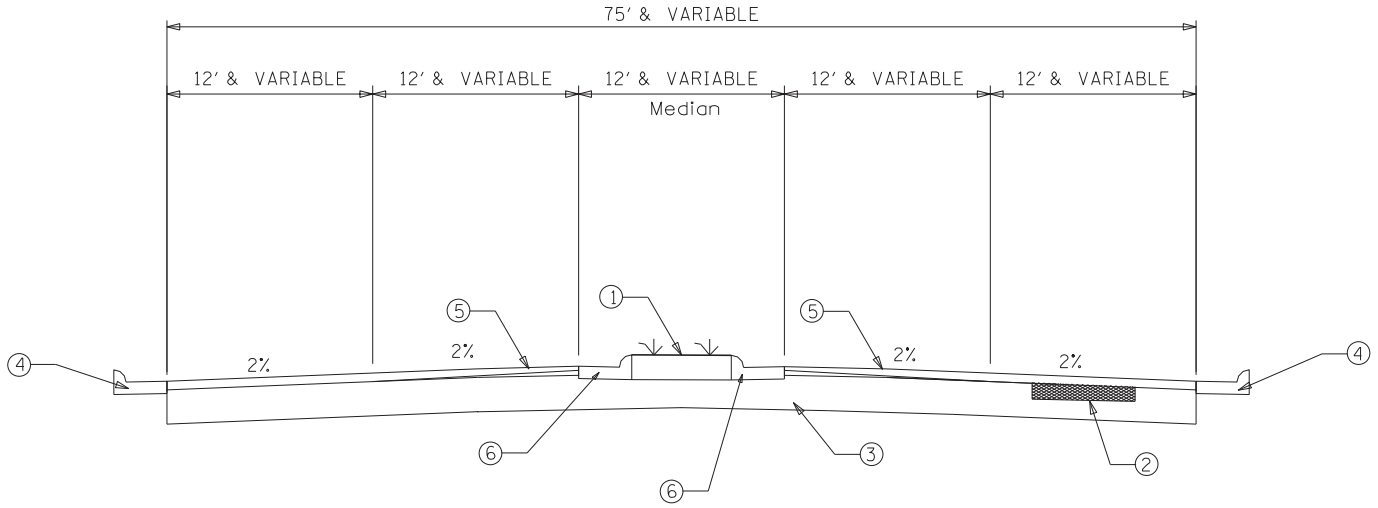
STA 205+80 - STA 208+35



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS
FROM 2 LANE TO US 51
4 LANE SECTIONS

STA 208+35 - STA 209+87

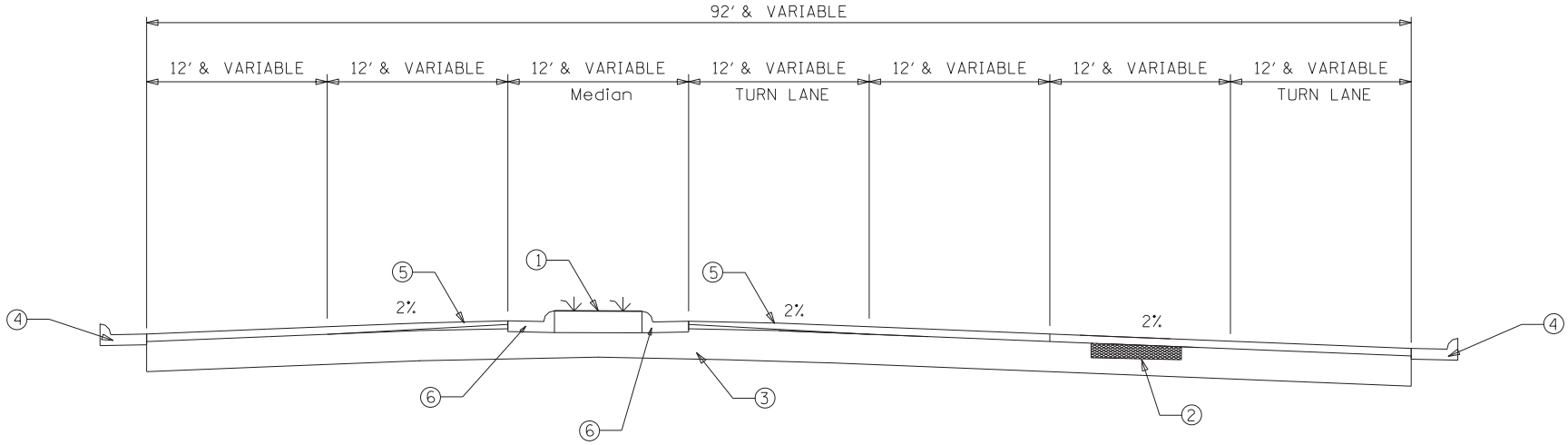


① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS

FROM 2 LANE TO US 51
6 Lane Sections

STA 209+87 - 220+91

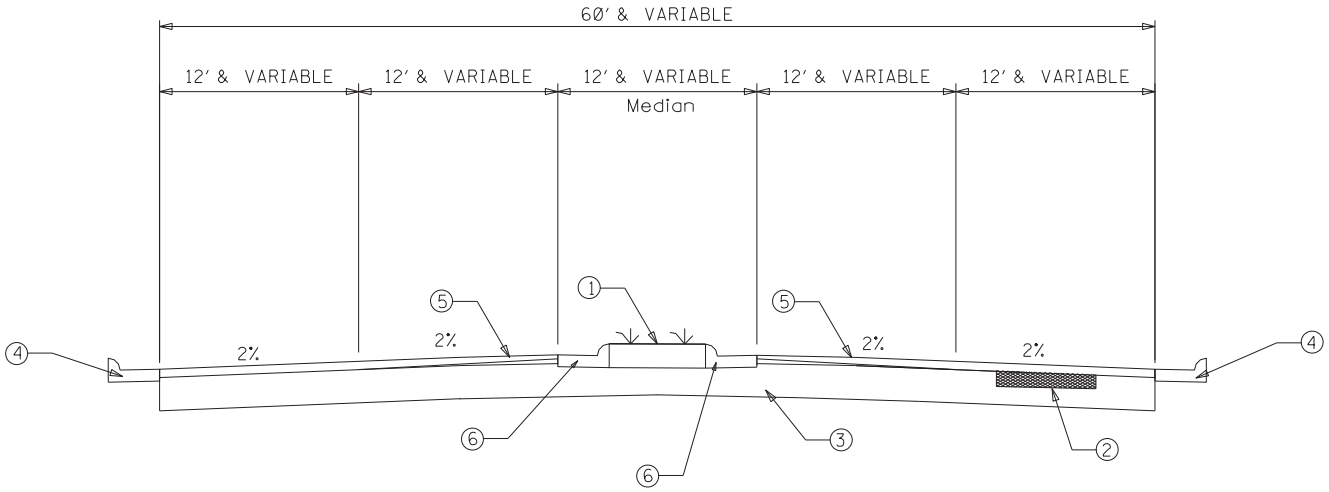


① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
THRU MEDIAN SECTIONS

FROM 2 LANE TO US 51
4 Lane Sections

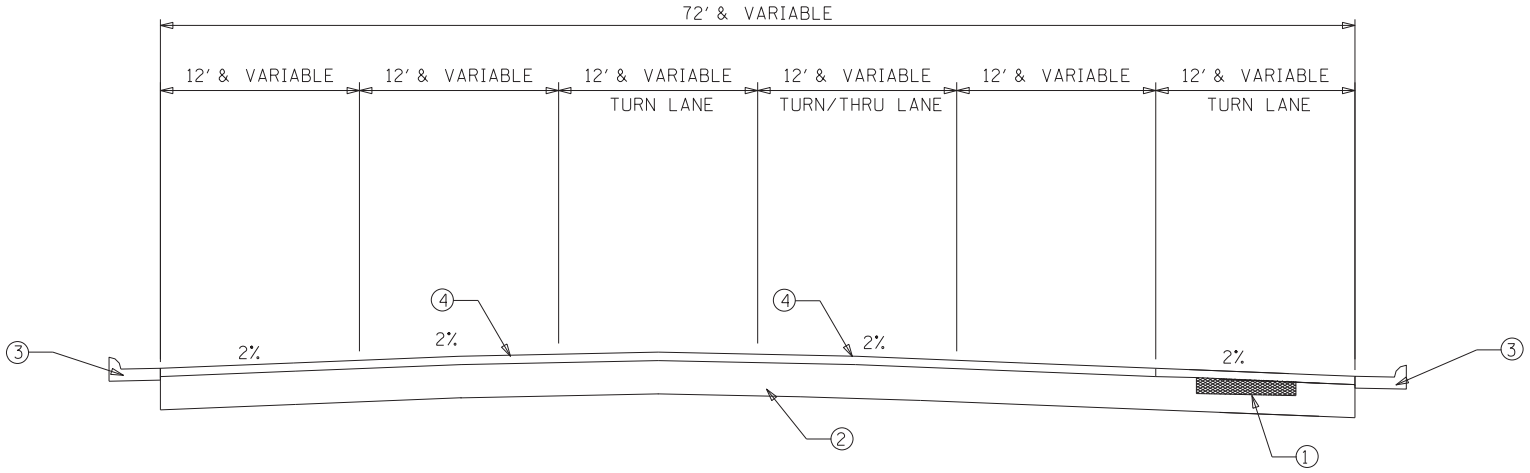
STA 234+49 - 240+05



① Grass Median
② Failed areas to be removed and back filled with Asphalt Pavement 12.5mm Mix, MT leveling as directed
③ Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
④ Type 3 Curb and Gutter
⑤ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)
⑥ Type 2 Curb and Grate Inlet

MADISON COUNTY
TYPICAL SECTION
SR 463 OVERLAY
108244/301000
FROM 2 LANE TO US 51
5 Lane Sections

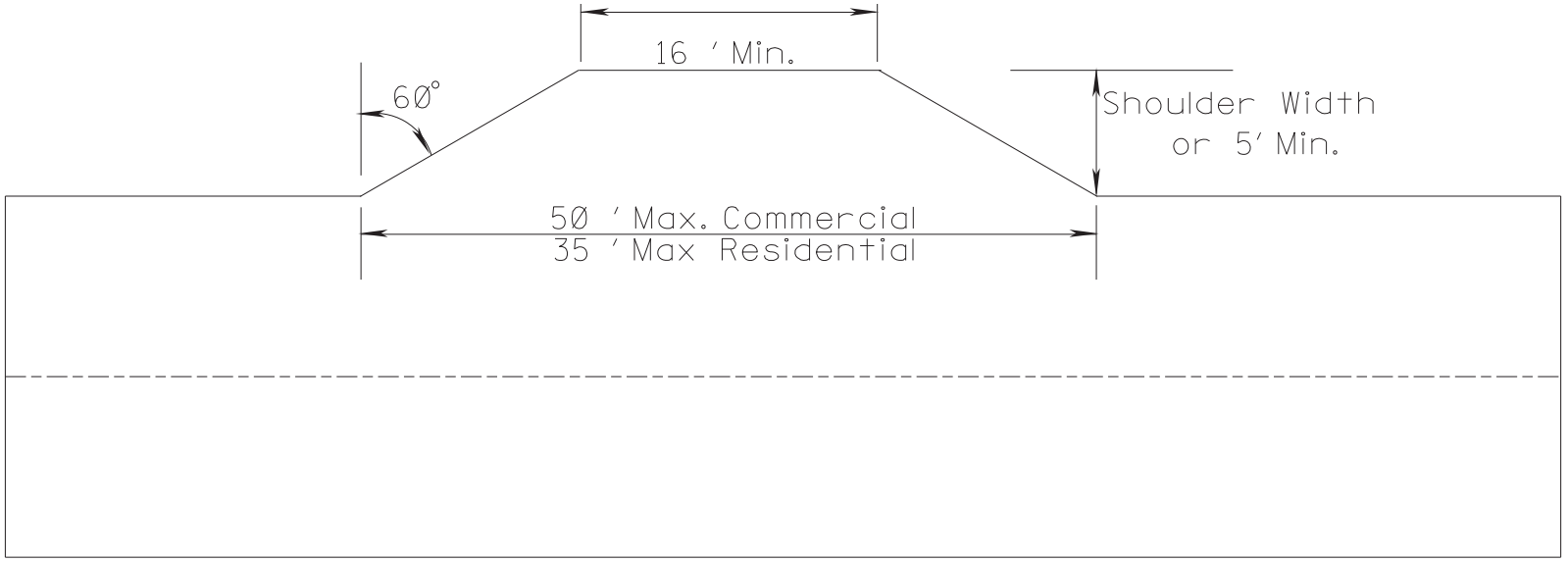
STA 240+05 - STA 244+25



① Failed areas to be removed and back filled with Asphalt
② Pavement 12.5mm Mix, MT leveling as directed
Existing Pavement Structure (5 3/4" - 9 1/2" HMA)
③ Type 3 Curb and Gutter
④ Mill 2" and Overlay 2" Asphalt Pavement 12.5mm,HT (Polymer Modified)

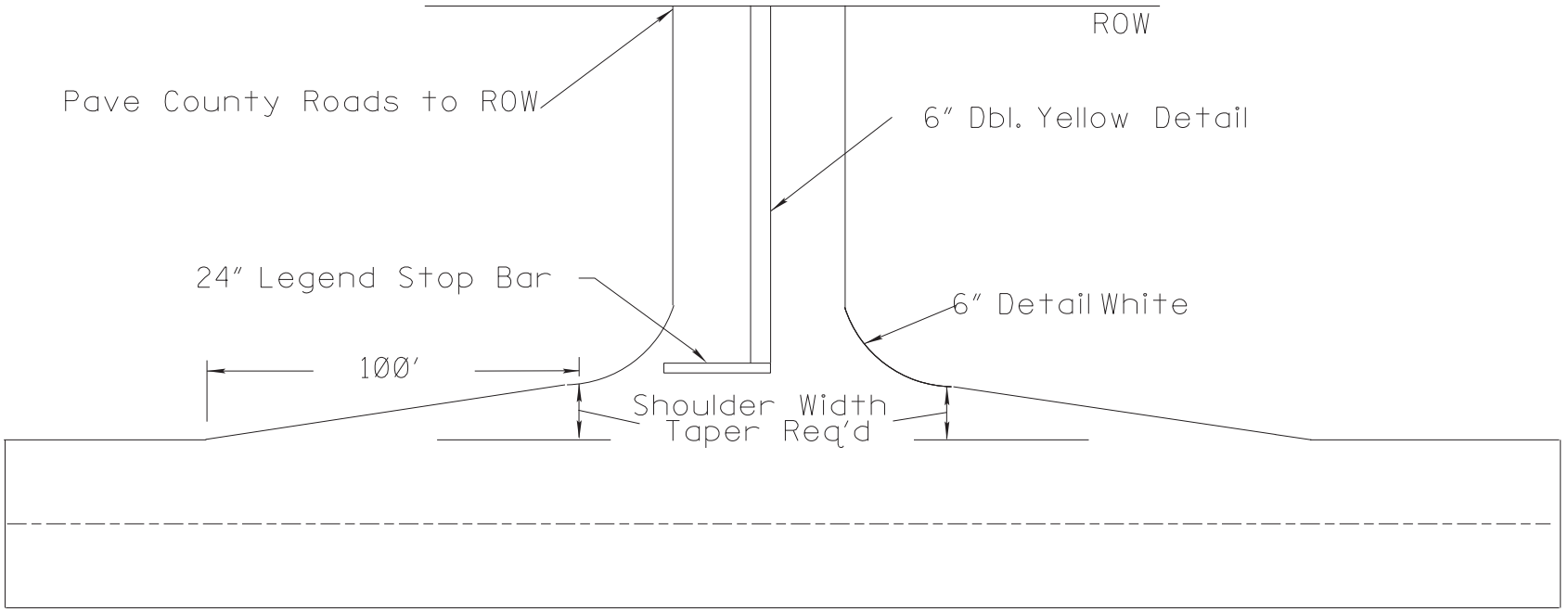
108244/301000
MADISON COUNTY
DRIVEWAY PAD/RAMP DETAIL

TYPICAL RAMP/PAD DETAIL



MADISON COUNTY
SR 463 OVERLAY
108244/301000
FROM 2 LANE TO US 51

Typical Section - County Roads



STATE	PROJECT NO.
MISS	NHPP-6947-01(001)

SUMMARY OF QUANTITIES (SHEET 1)

PAY ITEM NO.	PAY ITEM	UNIT	MADISON : 108244-301000	
			Prelim	Final
202-B009	Removal of Asphalt Pavement, Failed Areas	SY	294	
202-B080	Removal of Concrete Sidewalk	SY	868	
203-G002	Excess Excavation, LVM, AH	CY	99	
304-D002	Granular Material, Crushed Stone	TON	212	
403-A002	12.5-mm, MT, Asphalt Pavement	TON	5,916	
403-B002	12.5-mm, MT, Asphalt Pavement, Leveling	TON	265	
403-D001	12.5-mm, HT, Asphalt Pavement, Polymer Modified	TON	15,281	
406-D001	Fine Milling of Bituminous Pavement, All Depths	SY	137,393	
407-A001	Asphalt for Tack Coat	GAL	10,304	
503-C010	Saw Cut, Full Depth	LF	267	
608-B001	Concrete Sidewalk, With Reinforcement	SY	868	
618-A001	Maintenance of Traffic	LS	1	
619-A1001	Temporary Traffic Stripe, Continuous White	MI	10	
619-A2001	Temporary Traffic Stripe, Continuous Yellow	MI	11	
619-A3001	Temporary Traffic Stripe, Skip White	MI	15	
619-A4002	Temporary Traffic Stripe, Skip Yellow	MI	2	
619-A5001	Temporary Traffic Stripe, Detail	LF	157,385	
619-A6001	Temporary Traffic Stripe, Legend	SF	7,189	
619-D1001	Standard Roadside Construction Signs, Less than 10 Square Feet	SF	32	
619-D2001	Standard Roadside Construction Signs, 10 Square Feet or More	SF	600	
619-G4001	Barricades, Type III, Double Faced	LF	48	
620-A001	Mobilization	LS	1	
626-A001	6" Thermoplastic Double Drop Traffic Stripe, Skip White	MI	7	
626-B002	6" Thermoplastic Double Drop Traffic Stripe, Continuous White	MI	4	
626-C002	6" Thermoplastic Double Drop Edge Stripe, Continuous White	MI	5	
626-D001	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow	MI	1	
626-E001	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow	MI	3	
626-G004	Thermoplastic Double Drop Detail Stripe, White	LF	70,353	
626-G005	Thermoplastic Double Drop Detail Stripe, Yellow	LF	19,038	
626-H001	Thermoplastic Double Drop Legend, White	SF	6,223	
627-J001	Two-Way Clear Reflective High Performance Raised Markers	EA	1,462	
627-K001	Red-Clear Reflective High Performance Raised Markers	EA	5,521	
627-L001	Two-Way Yellow Reflective High Performance Raised Markers	EA	1,544	
907-632-D001	Solid State Traffic Actuated Controller, Type 1	EA	11	
635-A065	Traffic Signal Head, Type 2 FYA	EA	1	
907-636-B016	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor	LF	100	
907-637-C028	Traffic Signal Conduit, Underground, Type 4, 2"	LF	200	
907-637-D002	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"	LF	200	
907-641-A002	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2	EA	45	
907-641-D001	Radar Vehicle Detection Cable	LF	7,430	

① Quantity to be used for traditional excavation method of failed areas if selected.

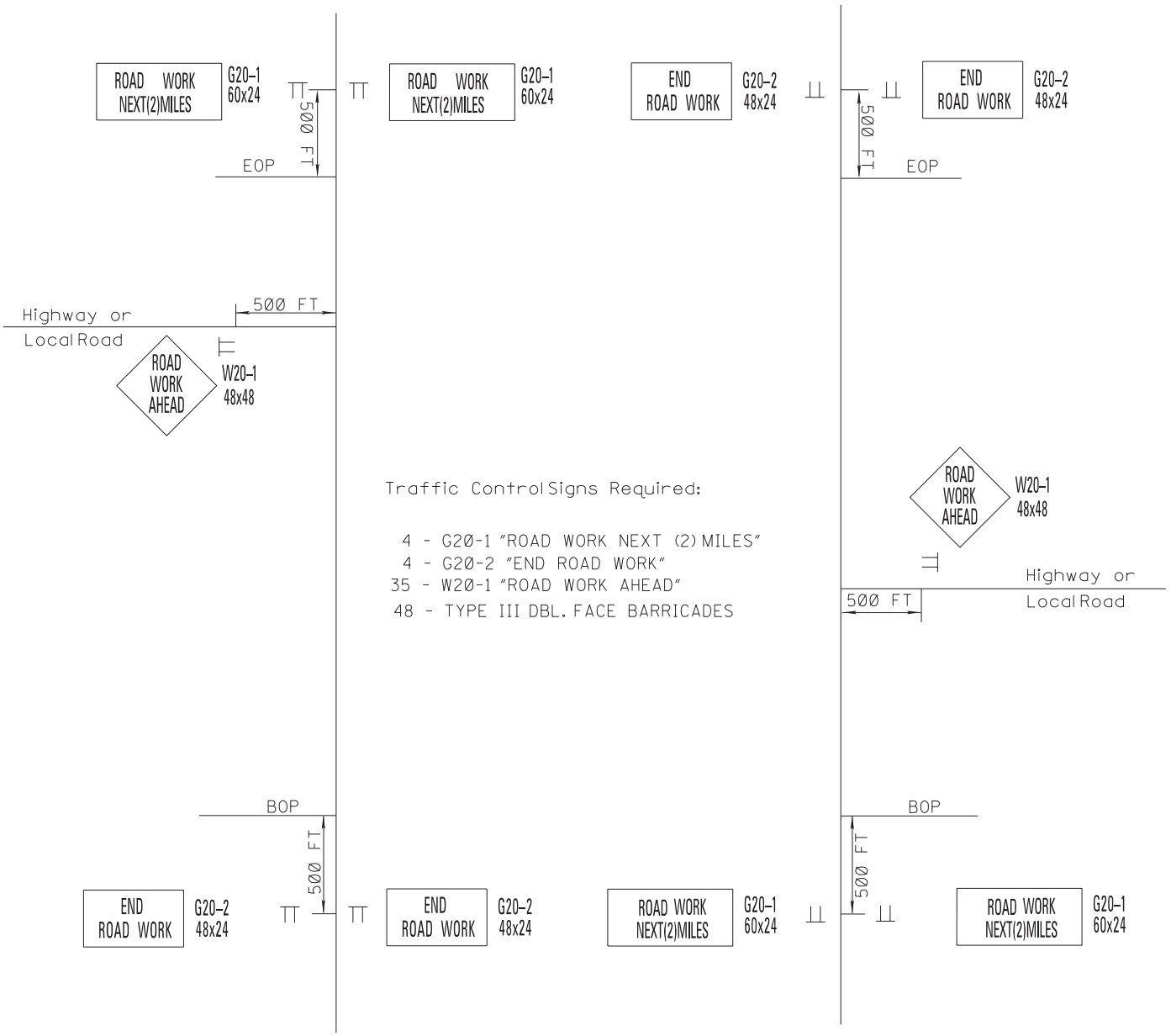
By
Revision
Date

MISSISSIPPI DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

PROJ NO: NHPP-6947-01(001)
COUNTY: MADISON
FILENAME: 108244-301000
Design Team Checked Date

Working Number: SQ-1
Sheet Number: 1

CONSTRUCTION SIGNING DETAIL
SR 463 OVERLAY
MADISON COUNTY



NOTES: One (1) W20-1 "ROAD WORK AHEAD" Sign is Required at each Local Road, Street or Highway Entering the Project.
G20-1 and G20-2 signs mounted on Type III Double Faced Barricade.

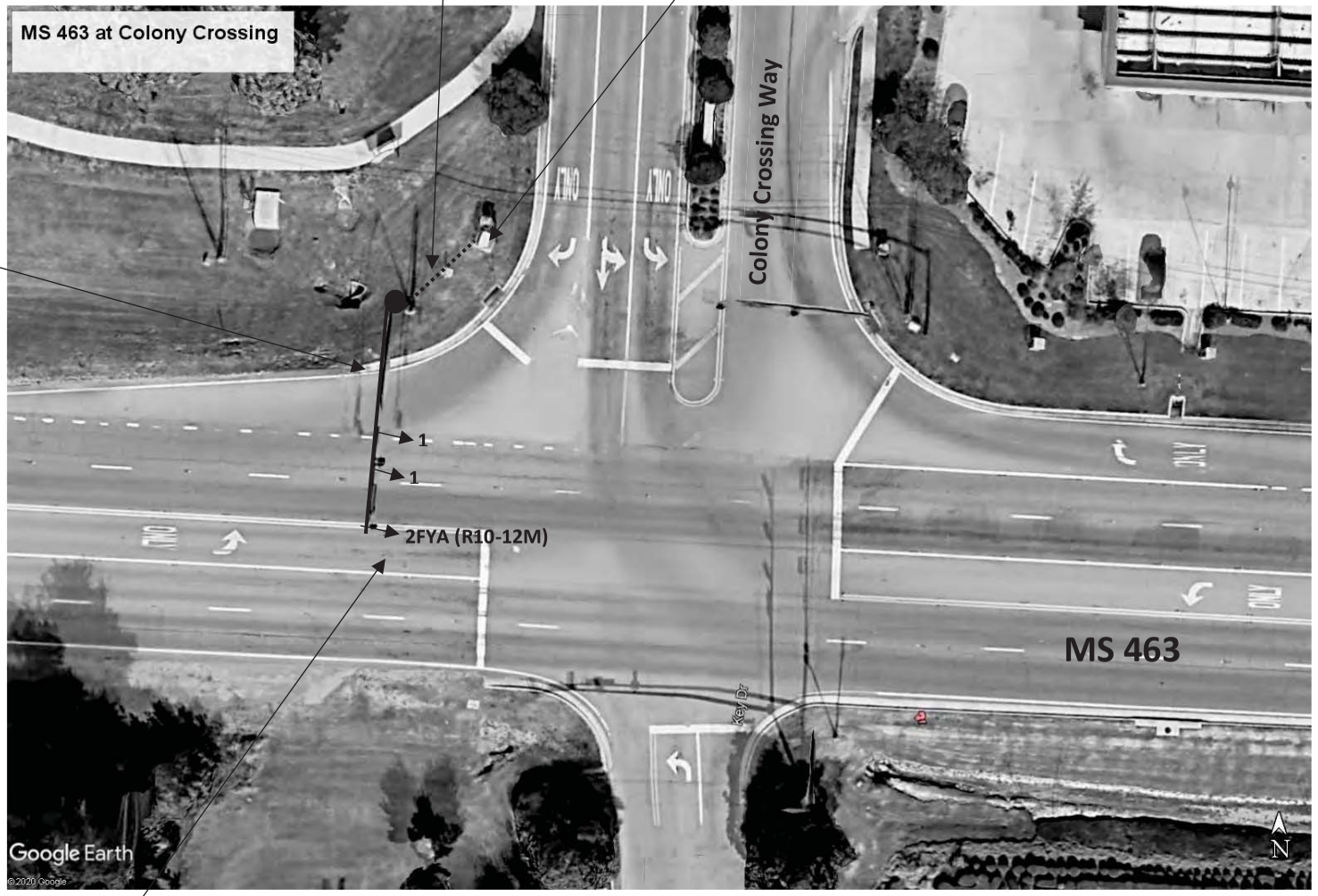
SR 463
Madison County
Failed Areas

Station	Length	Width	Depth	Excess Excavation, FM (CY)	Removal of Asphalt Pavements,	12.5-mm, MT, Asphalt Pavements, Leveling
				203-G001	202-B007	403-A003
Galleria Pkwy	25	24	1	22.22	66.66	44
Galleria Pkwy	10	12	1	4.44	13.33	8.8
242+45 to 243+00 EB	35	55	1	71.3	213.8	212
				97.96	**293.79**	**264.8**

Existing Conduit
Install 1-8c (25 ft)

Existing Signal Cabinet
Add Phase 1 FYA (Flash Operation RED)
Compact Mode

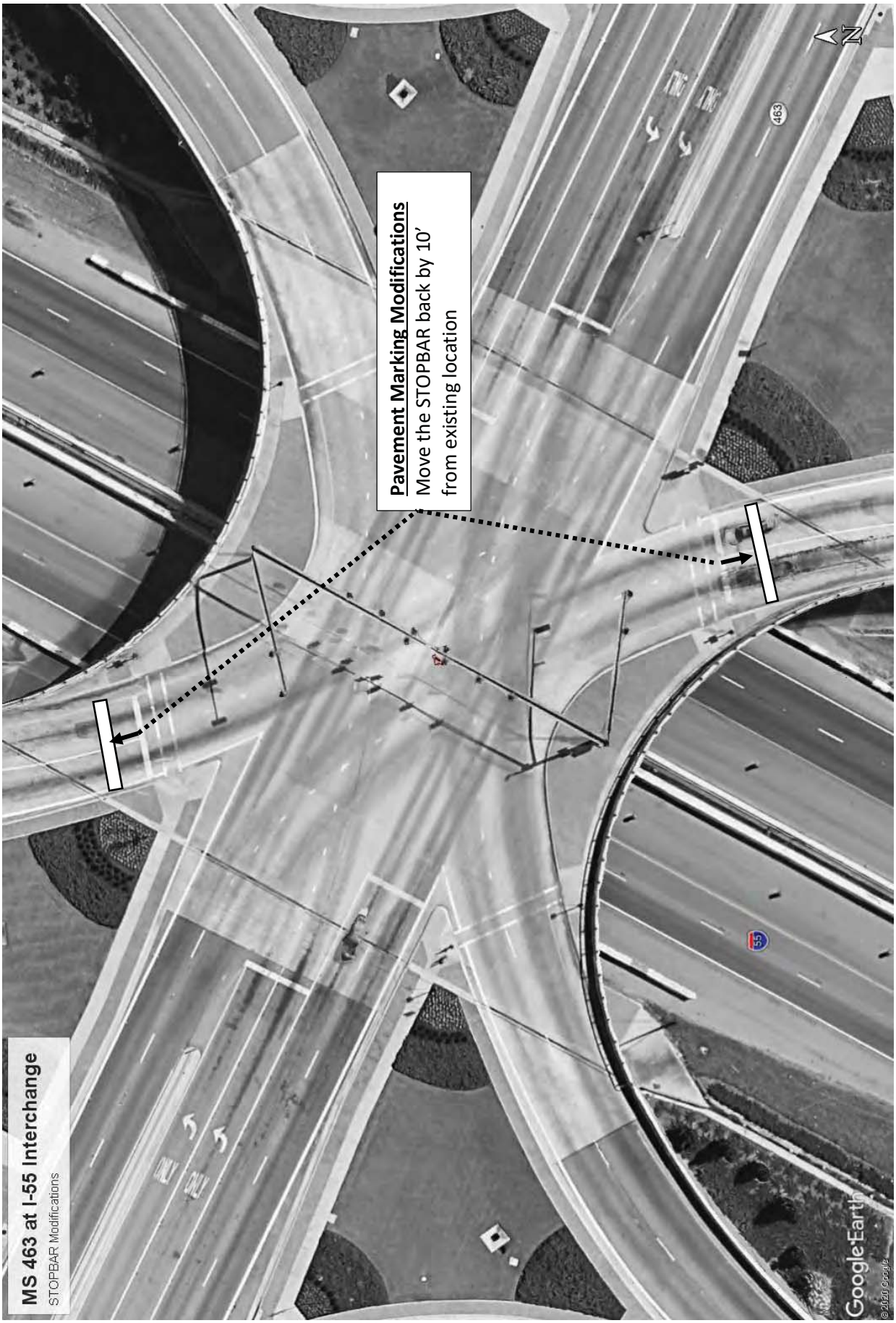
Existing Mast Arm
Install 1-8c (55ft)



Signal Head Modifications
- Install new Type 2FYA Signal Head & R10-12M sign
-Relocate existing Type 1 heads to align with thru lane

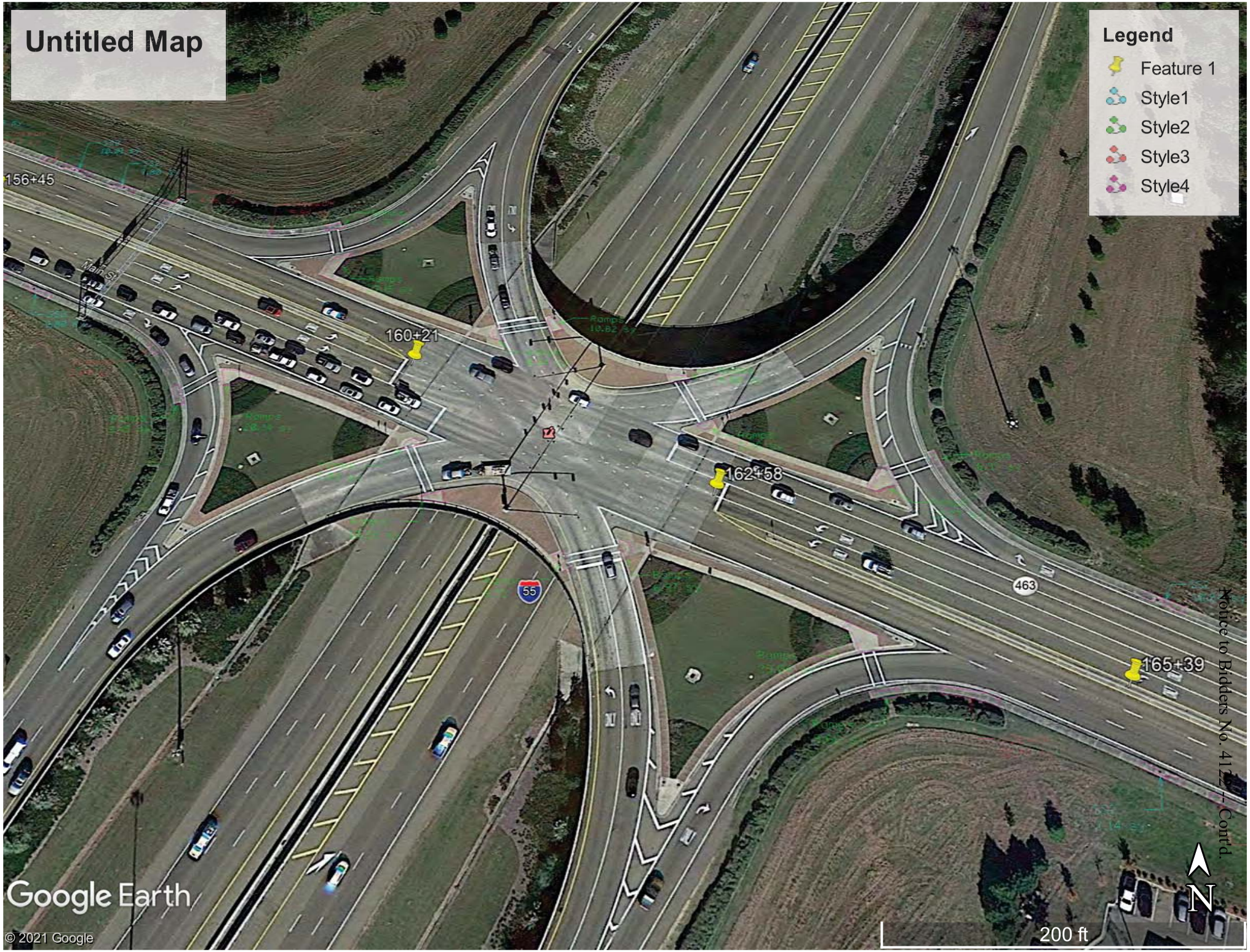
TRAFFIC SIGNAL MODIFICATIONS
MS 463 at Colony Crossing Way
(Not to Scale)

TRAFFIC SIGNAL RADAR DETECTION CHART 108244-101000								
Intersection	**Detection Zone Location**	**Phase #**	**Detection Zone Size**	**STOPBAR Radar Units Required**	**Radar Cable (ft)**	**IP Addresses**	**Existing Controller Type**	**Existing Pole Configuration**
MS 463 at US 51	SB Left Turn Lane	1	6'X50'	1	50	Signal Controller 172.16.2.171 Detection 172.16.2.173	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	SB Thru Lanes	6	6'X100'					
	NB Left Turn Lane	5	6'X50'	1	260			
	NB Thru/Right Lanes	2	6'X100'					
	WB Left Turn/Thru Lanes	3	6'X50'	1	120			
	EB Left Turn/Thru/Right Lanes	4	6'X50'	1	170			
MS 463 at Post Oak Rd	WB Left Turn Lane	1	6'X50'	1	220	Signal Controller 172.16.2.13 Detection 172.16.2.17	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	WB Thru Lanes	6	6'X100'					
	EB Left Turn Lanes	5	6'X50'	1	100			
	EB Thru/Right Lanes	2	6'X100'					
	NB Left Turn Lane	3	6'X50'	1	100			
	NB Thru Lane	8	6'X50'					
	SB Left Turn Lane	7	6'X50'	1	300			
	SB Thru Lane	4	6'X50'					
MS 463 at Main St	WB Thru Lanes	6	6'X100'	1	220	Signal Controller 172.16.2.45 Detection 172.16.3.49	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	WB Left Turn Lane	1	6'X50'					
	EB Thru Lanes	2	6'X100'	1	180			
	NB Left Turn Lane	4	6'X50'	1	180			
MS 463 at Welch Farm Rd	WB Left Turn Lane	1	6'X50'	1	350	Signal Controller 172.16.2.23 Detection 172.16.3.28	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	WB Thru Lanes	6	6'X100'					
	EB Left Turn Lanes	5	6'X50'	1	100			
	EB Thru/Right Lanes	2	6'X100'					
	NB Left Turn Lane	3	6'X50'	1	220			
	NB Thru Lane	8	6'X50'					
	SB Left Turn Lane	7	6'X50'	1	200			
	SB Thru Lane	4	6'X50'					
MS 463 at Sunny Orchard Dr	WB Left Turn Lane	1	6'X50'	1	350	Signal Controller 172.16.3.30 Detection 172.16.3.32	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	WB Thru Lanes	6	6'X100'					
	EB Left Turn Lanes	5	6'X50'	1	100			
	EB Thru/Right Lanes	2	6'X100'					
	NB Left Turn Lane	3	6'X50'	1	220			
	NB Thru Lane	8	6'X50'					
	SB Left Turn Lane	7	6'X50'	1	200			
	SB Thru Lane	4	6'X50'					
MS 463 at Grandview Blvd	WB Left Turn Lane	1	6'X50'	1	165	Signal Controller 172.16.3.151 Detection 172.16.3.37	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	WB Thru Lanes	6	6'X100'					
	EB Left Turn Lanes	5	6'X50'	1	75			
	EB Thru/Right Lanes	2	6'X100'					
	NB Left Turn/Thru Lanes	3	6'X50'	1	200			
	SB Left Turn/Thru/Right Lanes	4	6'X50'	1	60			
MS 463 at I-55 Ramps	WB Left Turn Lane	1	6'X50'	1	200	Signal Controller 10.135.16.16 Detection 10.135.16.18	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	WB Thru Lanes	6	6'X100'					
	EB Left Turn Lanes	5	6'X50'	1	100			
	EB Thru/Right Lanes	2	6'X100'					
	NB Left Turn Lanes	3	6'X50'	1	50			
	SB Left Turn Lanes	7	6'X50'	1	180			
MS 463 at Woodgreen Dr	WB Thru Lanes	6	6'X100'	1	120	Signal Controller 10.135.16.23 Detection 10.135.16.25	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	EB Left Turn Lanes	5	6'X50'	1	120			
	EB Thru/Right Lanes	2	6'X100'					
	SB Left Turn/Right Lanes	4	6'X50'	1	270			
MS 463 @ Highland Colony Pkwy	WB Left Turn Lane	1	6'X50'	1	180	Signal Controller 10.135.16.33 Detection 10.135.16.35	M-60 Controller	Mast Arm Signal
	WB Thru Lanes	6	6'X100'					
	EB Left Turn Lane	5	6'X50'	1	100			
	EB Thru Lanes	2	6'X100'					
	NB Left Turn Lanes	3	6'X50'	1	80			
	NB Thru Lane	8	6'X50'					
	SB Left Turn Lanes	7	6'X50'	1	200			
	Sb Thru Lanes	4	6'X50'					
MS 463 @ Colony Crossing Way	WB Left Turn Lane	1	6'X50'	1	160	Signal Controller 10.135.16.40 Detection 10.135.16.42	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	WB Thru Lanes	6	6'X100'					
	EB Left Turn Lanes	5	6'X50'	1	80			
	EB Thru/Right Lanes	2	6'X100'					
	NB Left Turn/Thru Lanes	3	6'X50'	1	270			
	SB Left Turn/Thru/Right Lanes	4	6'X50'	1	60			
MS 463 at St Joseph School	WB Thru Lanes	6	6'X100'	1	190	Signal Controller 10.135.16.47 Detection 10.135.16.49	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	EB Left Turn Lanes	5	6'X50'	1	150			
	EB Thru/Right Lanes	2	6'X100'					
	SB Left Turn/Right Lanes	4	6'X50'	1	140			
MS 463 at Park Place/Mannsdale Park Dr	WB Left Turn Lane	1	6'X50'	1	170	Signal Controller 10.135.16.57 Detection 10.135.16.59	M-50 OS Firmware (Need New Controller)	Mast Arm Signal
	WB Thru Lanes	6	6'X100'					
	EB Left Turn Lanes	5	6'X50'	1	160			
	EB Thru/Right Lanes	2	6'X100'					
	NB Left Turn/Thru Lanes	3	6'X50'	1	150			
	SB Left Turn/Thru/Right Lanes	4	6'X50'	1	160			
			Total	**45**	**7430**			

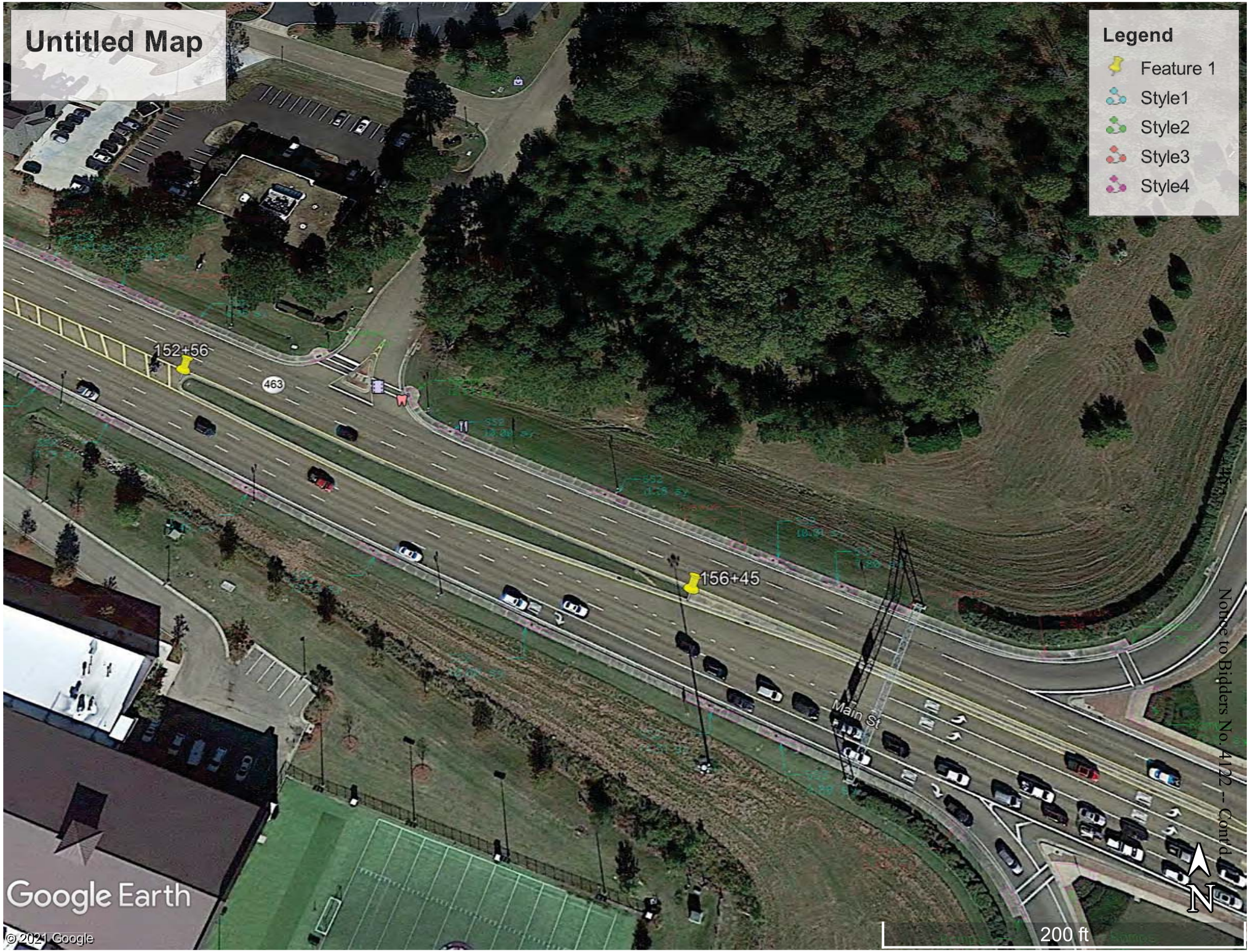


PAVEMENT MARKING MODIFICATIONS
MS 463 at I-55 Interchange
(Not to Scale)


Untitled Map
Legend
Feature 1
Style1
Style2
Style3
Style4
165+39
Main St
Galleria Pkwy
463
171+81
Notice to Bidders -- Cont'd.
173+48
Grand View Blvd
N
200 ft
Google Earth
© 2021 Google

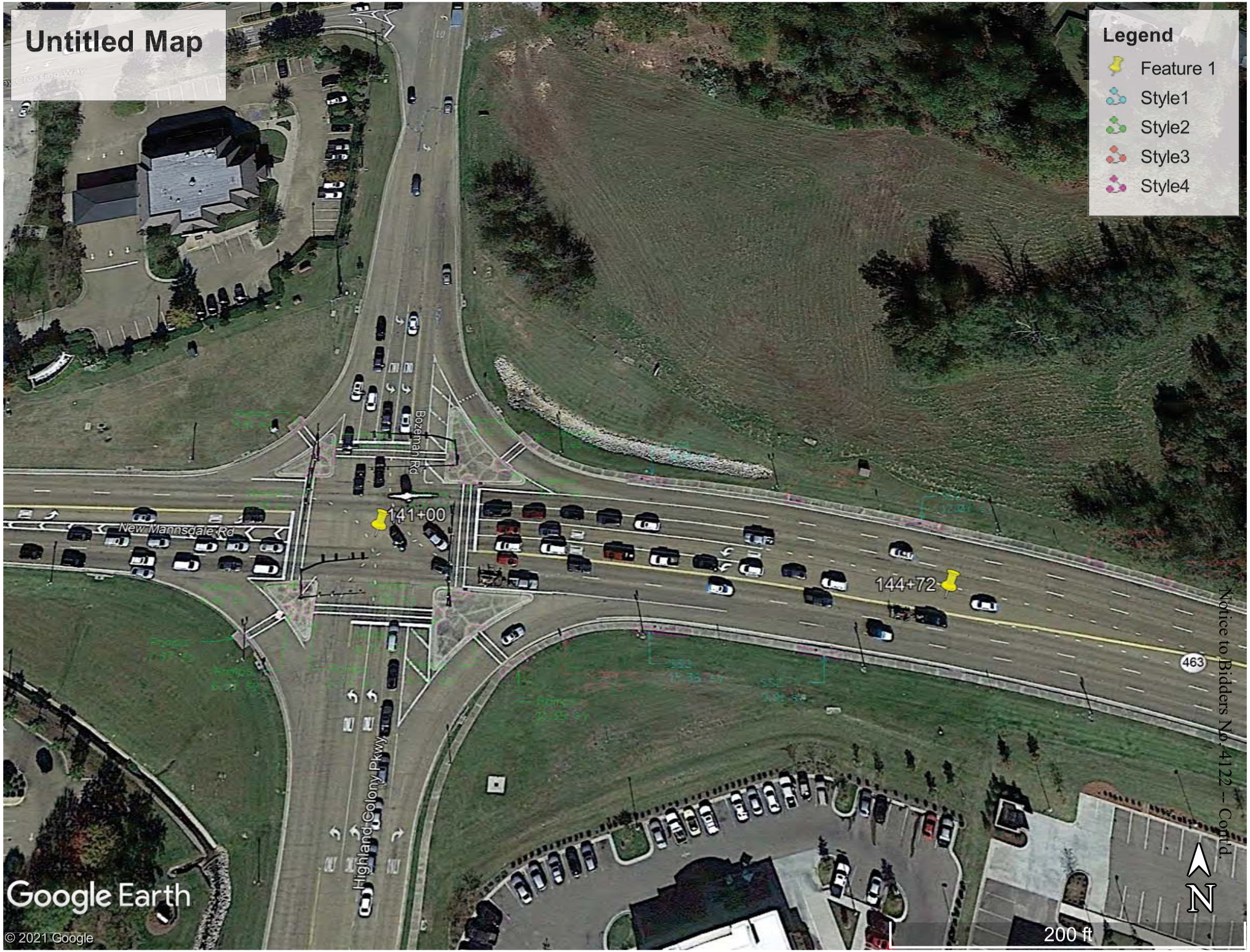


Notice to Bidders No. 41227 Cont'd.



Notice to Bidders No. 4122 -- Cont'd.


Untitled Map
Legend
Feature 1
Style1
Style2
Style3
Style4
147+83
152+56
463
Main St
Google Earth
© 2021 Google
200 ft
N


Untitled Map
Legend
Feature 1
Style1
Style2
Style3
Style4
Bozeman Rd
New Mannsdale Rd
141+00
144+72
Highland Colony Pkwy
463
Google Earth
© 2021 Google
200 ft
N

108244/301000			
SR 463 From 2 Lane to US 51			
Sidewalk Replacement			
Station	Type	Removal Concrete (SY)	Concrete Sidewalk (SY)
140+35 LT Island	ADA Ramp	14.47	14.47
140+35 LT Island	ADA Ramp	5.93	5.93
140+35 LT Ramp	ADA Ramp	3.81	3.81
140+35 RT Island	ADA Ramp	6.42	6.42
140+35 RT Island	ADA Ramp	6.74	6.74
140+35 RT Island	ADA Ramp	6.53	6.53
140+35 RT Ramp	ADA Ramp	7.83	7.83
141+41 LT Island	ADA Ramp	6.11	6.11
141+41 LT Island	ADA Ramp	8.17	8.17
141+41 LT Island	ADA Ramp	6.32	6.32
141+41 LT Ramp	ADA Ramp	7.61	7.61
141+41 RT Island	ADA Ramp	7.55	7.55
141+41 RT Island	ADA Ramp	6.22	6.22
141+41 RT Island	ADA Ramp	6.15	6.15
141+41 RT Ramp	ADA Ramp	11.35	11.35
142+10 RT Ramp	Sidewalk	2.75	2.75
142+66 RT	Sidewalk	15.36	15.36
142+66 LT	Sidewalk	9.99	9.99
143+66 RT	Sidewalk	9.91	9.91
143+66 LT	Sidewalk	4.46	4.46
144+38 LT	Sidewalk	12.07	12.07
145+46 LT	Sidewalk	5.3	5.3
145+90 LT	Sidewalk	4.77	4.77
147+65 LT	Sidewalk	6.62	6.62
148+00 LT	ADA Ramp	5.09	5.09
148+00 RT	Sidewalk	9.03	9.03
148+68 RT	Sidewalk	10.32	10.32
148+92	ADA Ramp	5.95	5.95
149+27 LT	Sidewalk	7.7	7.7
150+56 LT	Sidewalk	6.51	6.51
150+92 LT	Sidewalk	8.05	8.05
150+92 RT	Sidewalk	9.99	9.99
151+46 LT	Sidewalk	12.73	12.73
151+46 RT	Sidewalk	10.11	10.11
151+80 LT	Sidewalk	4.46	4.46
152+15 LT	Sidewalk	8.35	8.35
152+15 RT	Sidewalk	7.79	7.79
153+17 LT	ADA Ramp	10.71	10.71
153+17 RT	Sidewalk	9.45	9.45
153+88 LT	ADA Ramp	12.53	12.53
154+31 LT	Sidewalk	10	10
154+31 RT	Sidewalk	12.33	12.33

155+51 LT	Sidewalk	11.18	11.18
155+51 RT	Sidewalk	10	10
156+45 LT	Sidewalk	4.67	4.67
156+72 LT	Sidewalk	10.01	10.01
156+72 RT	Sidewalk	14.31	14.31
157+11 LT	Sidewalk	7.8	7.8
157+11 RT	Sidewalk	9.88	9.88
157+59 LT	Sidewalk	4.96	4.96
158+43 LT	Sidewalk	5.94	5.94
158+43 RT	Sidewalk	5.64	5.64
158+89 LT Island	ADA Ramp	27.15	27.15
158+89 LT Ramp	ADA Ramp	7.76	7.76
158+89 RT Island	ADA Ramp	20.14	20.14
158+89 RT Ramp	ADA Ramp	9.45	9.45
160+66 LT Island	ADA Ramp	8.34	8.34
160+66 LT Ramp	ADA Ramp	10.82	10.82
160+66 RT Island	ADA Ramp	7.02	7.02
160+66 RT Ramp	ADA Ramp	10.56	10.56
161+88 LT Island	ADA Ramp	6.25	6.25
161+88 LT Ramp	ADA Ramp	8.8	8.8
161+88 RT Island	ADA Ramp	6.97	6.97
161+88 RT Ramp	ADA Ramp	8.32	8.32
163+68 LT Island	ADA Ramp	22.77	22.77
163+387 LT Ramp	ADA Ramp	6.97	6.97
163+38 RT Island	ADA Ramp	29.04	29.04
163+38 RT Ramp	ADA Ramp	9.66	9.66
164+33 RT	Sidewalk	20.81	20.81
165+35 LT	Sidewalk	10.84	10.84
165+35 RT	Sidewalk	7.14	7.14
165+85 RT	Sidewalk	7.33	7.33
166+80 LT	Sidewalk	13.14	13.14
166+80 RT	Sidewalk	9.81	9.81
167+22 LT	Sidewalk	2.25	2.25
167+81 RT	Sidewalk	4.92	4.92
168+47 LT	Sidewalk	7.69	7.69
168+47 RT	Sidewalk	10.97	10.97
168+89 RT	Sidewalk	5.33	5.33
169+31 RT	Sidewalk	3.11	3.11
169+76 LT	Sidewalk	12.09	12.09
169+76 RT	Sidewalk	9.02	9.02
170+75 LT	Sidewalk	11.68	11.68
170+75 RT	Sidewalk	9.69	9.69
171+36 LT	Sidewalk	6.73	6.73
	ADA Ramp	12.43	12.43
171+95 RT Grandview			
	Totals (SY)	792.93	792.93

Mill & Overlay approximately 1.5 miles on SR 463 from the end of the 2-Lane section to east of Main Street, known as Federal Aid Project No. NHPP-6947-01(001) / 108244301 in Madison County.

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
			Roadway Items		
0010	202-B009		294	Square Yard	Removal of Asphalt Pavement, Failed Areas
0020	202-B080		868	Square Yard	Removal of Concrete Sidewalk
0030	203-G002	(E)	99	Cubic Yard	Excess Excavation, LVM, AH
0040	304-D002	(GT)	212	Ton	Granular Material, Crushed Stone
0050	403-A002	(BA1)	5,916	Ton	12.5-mm, MT, Asphalt Pavement
0060	403-B002	(BA1)	265	Ton	12.5-mm, MT, Asphalt Pavement, Leveling
0070	403-D001	(BA1)	15,281	Ton	12.5-mm, HT, Asphalt Pavement, Polymer Modified
0080	406-D001		137,393	Square Yard	Fine Milling of Bituminous Pavement, All Depths
0090	407-A001	(A2)	10,304	Gallon	Asphalt for Tack Coat
0092	503-C010		267	Linear Feet	Saw Cut, Full Depth
0100	608-B001	(S)	868	Square Yard	Concrete Sidewalk, With Reinforcement
0110	618-A001		1	Lump Sum	Maintenance of Traffic
0120	619-A1001		10	Mile	Temporary Traffic Stripe, Continuous White
0130	619-A2001		11	Mile	Temporary Traffic Stripe, Continuous Yellow
0140	619-A3001		15	Mile	Temporary Traffic Stripe, Skip White
0150	619-A4002		2	Mile	Temporary Traffic Stripe, Skip Yellow
0160	619-A5001		157,385	Linear Feet	Temporary Traffic Stripe, Detail
0170	619-A6001		7,189	Square Feet	Temporary Traffic Stripe, Legend
0180	619-D1001		32	Square Feet	Standard Roadside Construction Signs, Less than 10 Square Feet
0190	619-D2001		600	Square Feet	Standard Roadside Construction Signs, 10 Square Feet or More
0200	619-G4001		48	Linear Feet	Barricades, Type III, Double Faced
0210	620-A001		1	Lump Sum	Mobilization
0220	626-A001		7	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip White
0230	626-B002		4	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous White
0240	626-C002		5	Mile	6" Thermoplastic Double Drop Edge Stripe, Continuous White
0250	626-D001		1	Mile	6" Thermoplastic Double Drop Traffic Stripe, Skip Yellow
0260	626-E001		3	Mile	6" Thermoplastic Double Drop Traffic Stripe, Continuous Yellow
0270	626-G004		70,353	Linear Feet	Thermoplastic Double Drop Detail Stripe, White
0280	626-G005		19,038	Linear Feet	Thermoplastic Double Drop Detail Stripe, Yellow
0290	626-H001		6,223	Square Feet	Thermoplastic Double Drop Legend, White
0294	627-J001		1,462	Each	Two-Way Clear Reflective High Performance Raised Markers
0300	627-K001		5,521	Each	Red-Clear Reflective High Performance Raised Markers

Line No.	Item Code	Adj Code	Quantity	Units	Description [Fixed Unit Price]
0310	627-L001		1,544	Each	Two-Way Yellow Reflective High Performance Raised Markers
0320	635-A065		1	Each	Traffic Signal Head, Type 2 FYA
0330	907-632-D001		11	Each	Solid State Traffic Actuated Controller, Type 1
0340	907-636-B016		100	Linear Feet	Electric Cable, Underground in Conduit, IMSA 20-1, AWG 14, 8 Conductor
0342	907-637-C028		200	Linear Feet	Traffic Signal Conduit, Underground, Type 4, 2"
0344	907-637-D002		200	Linear Feet	Traffic Signal Conduit, Underground Drilled or Jacked, Rolled Pipe, 2"
0350	907-641-A002		45	Each	Signal Stop Bar Radar Vehicle Detection Sensor, Type 2
0360	907-641-D001		7,430	Linear Feet	Radar Vehicle Detection Cable