

Item 442 – Asphalt Concrete Surface Course, 12.5mm, Type A, (447), As Per Plan, PG76-22M 1.5”

The coarse virgin aggregate for this item shall be limited to a blend of air cooled blast furnace slag (ACBFS) or Trap Rock from Ontario and limestone. The Contractor shall use a minimum 60% of ACBFS or Trap Rock from Ontario with limestone comprising the remaining percentage. At least 50% of the fine virgin aggregate for this item shall be limited to ACBFS or Trap Rock from Ontario.

Table 442.02-2 applies except No. 4 sieve requirements are 52 to 60 Total Percent Passing. For the No. 4 sieve, do not exceed 63 in production.

When ACBFS is used for a fraction of the coarse aggregate, provide a total asphalt binder content greater than or equal to 6.2%. If ACBFS makes up 100% of the coarse aggregate, apply the binder content requirements of CMS 442.

Item 617 – Compacted Aggregate, As Per Plan

This item shall be used to place compacted aggregate at a variable depth only where needed to fill in low spots along the shoulder and eliminate drop offs. Material shall be limited to reclaimed asphalt concrete pavement (RAP).

The actual depth of compacted aggregate placed will vary depending upon existing conditions. For estimating purposes, an average depth of one inch (1”) has been used. Water, if needed, shall be applied as per 617.05 and included under Item 617 – Compacted Aggregate, As Per Plan.

The following estimated quantity has been carried to the General Summary for use as directed by the Engineer:

Item 617 – Compacted Aggregate, As Per Plan **147 Cu Yd**

Item 618 – Rumble Strips, Shoulder (Asphalt Concrete), As Per Plan

For all freeways, the lateral position of edge line rumble strips shown in SCD BP-9.1 is revised as follows:

1. Median and Outside Shoulder Offset for shoulders less than 6':
Dimension A and B are equal to 6”
2. Median and Outside Shoulder Offset for shoulders 6' to 12':
Dimension A and B are equal to half the shoulder width minus 12”.
3. Median and Outside Shoulder Offset for shoulders greater than 12':
Dimension A and B are equal to 5'.

The following estimated quantity shall be used to construct Item 618 – Rumble Strips, Shoulder (Asphalt Concrete), As Per Plan as per Standard Drawing BP-9.1 except as noted above:

Item 618 – Rumble Strips, Shoulder (Asphalt Concrete),
As Per Plan **18 Miles**

Item 442 – Asphalt Concrete Surface Course, 12.5mm, Type A, (446), As Per Plan, PG76-22M, 1.5”

Joint coring in accordance with446.04 is not required for cold longitudinal joints placed over Void Reducing Asphalt Membrane (VRAM). Construct cold longitudinal joints over VRAM using the same techniques, equipment, and roller patterns used on the rest of the mat. Obtain 10 mat cores for each lot of material in accordance with 446.04. Pay factors for each lot of material will be determined according to Table 446.04-2.

The coarse virgin aggregate and at least 50% of fine virgin aggregate for this item shall be limited to air cooled blast furnace slag (ACBFS) or Trap Rock from Ontario.

Table 442.02-2 applies except No. 4 sieve requirements are 52 to 60 Total Percent Passing. For the No. 4 sieve, do not exceed 63 in production.

Item 255 Full Depth Pavement Removal And Rigid Replacement, Type 1, Class QC MS As Per Plan, A
Item 255 - Full Depth Pavement Removal And Rigid Replacement, Type 1, Class QC MS, As Per Plan, B

This item shall consist of replacing existing pavement per Item 255 and the notes below and details on sheet 34.

Existing concrete pavement thickness may vary from that shown on the typical sections by plus two inches or minus one inch. No adjustment in payment for this item shall be made providing that the average pavement thickness is within one inch of the thickness shown on the typical sections. Additional compensation shall be made by change order for the material cost of concrete only when the average thickness exceeds the one inch maximum tolerance above. The volume of concrete paid for shall be based upon the amount of concrete additional above the one inch tolerance limit.

The contractor shall saw through the existing overlay and perform the full depth repairs prior to the planing operation. The contractor shall remove the existing overlay and rigid pavement with care so as to not disturb the adjacent remaining concrete pavement and overlay.

If, after removal of the rigid pavement the engineer determines that the subbase or subgrade has failed or is pumping, the engineer will direct the contractor to excavate the unsuitable material and replace it with compacted 304 aggregate. Quantities of Item 203 - Excavation and Item 304- Aggregate Base have been provided to repair said failed subbase or subgrade areas.

Pavement repair less than or equal to ten (10) feet in length shall be paid for under "Full Depth Rigid Pavement Removal And Replacement, Type 1, Class QC MS, As Per Plan, A". Pavement repairs greater than ten (10) feet in length shall be paid for under "Full Depth Pavement Removal And Replacement, Type 1 Class QC MS, As Per Plan B"

The following estimated quantity has been carried to the General Summary for use as directed by the Engineer:

Item 255 – Full Depth Pavement Removal And Replacement type 1 Class QC MS, As Per Plan A.....**432 SY**
Item 255 – Full Depth Pavement Removal And Replacement Type 1, Class QC MS, As Per Plan B.....**27 SY**
Item 255 – Full Depth Pavement Sawing**2,032 FT**
Item 203 – Excavation**25CY**
Item 304 – Aggregate Base**25 CY**

Traffic Control

Pavement Markings

Auxiliary markings shall be located and installed as per Standard Drawing TC-71.10

Permanent Pavement Markings on Bridges

Proposed pavement markings on bridges shall be placed on top of existing markings.

Raised Pavement Markers

Install raised pavement markers for lane lines at a spacing of eighty feet (80') center-to-center.

Item 621 – Raised Pavement Marker Removed

This item shall include the removal and disposal of existing RPMs. The following estimated quantity has been carried to the General Summary:

Item 621 – Raised Pavement Marker Removed..... **513 Each**

General Notes

DESIGN AGENCY



DESIGNER

JDA

REVIEWER

DAB 11/29/24

PROJECT ID


99583

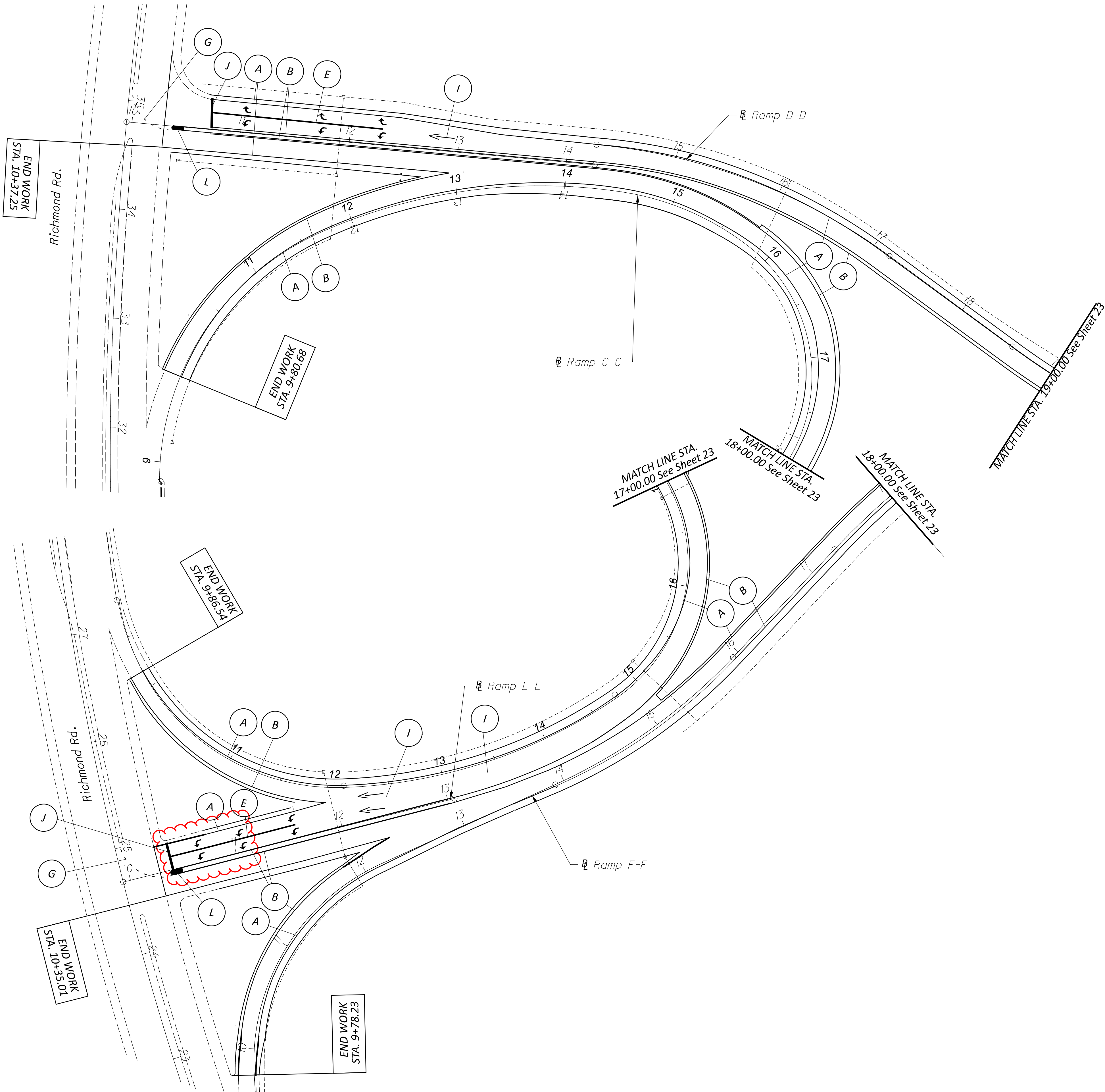
SHEET

10

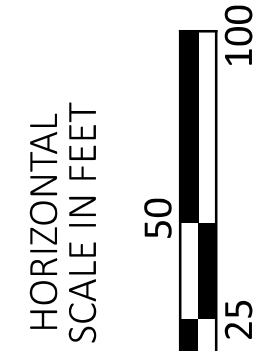
TOTAL

34

General Summary	
DESIGN AGENCY	
	
DESIGNER	
JDA	
REVIEWER	
DAB	11/29/24
PROJECT ID	
99583	
SHEET	TOTAL
16	34



Plan Sheet
Ramps C, D, E and F



DESIGN AGENCY



DESIGNER

JDA

REVIEWER

DAB 11/29/24

PROJECT ID

99583

SHEET TOTAL

32 34