

Contractor Requirements

Two-way traffic shall be maintained at all times except that one-way traffic will be permitted for minimum periods of time consistent with the requirements of the specifications for protection of completed chip seal and asphalt concrete courses.

The Contractor shall avoid placing chip seal on any monument boxes, valve boxes, manholes, etc. that exist in the pavement surface.

The Contractor is instructed to omit chip sealing on structures which have concrete decks or concrete overlays.

Routine Maintenance

Between the time that bids are taken and the start of construction, the maintaining agency may enter upon the project and perform routine maintenance such as crack sealing, patching, and berm and shoulder repair. The effects of the performance of routine maintenance shall be considered as inherent in work of the character provided for in the plans and the resulting conditions shall not be considered as differing materially from those existing at the time bids were taken.

Item 251 –Partial Depth Pavement Repair (441)

This item shall be used for the repair of unsound, cold-patch, or pop-out areas of longitudinal and transverse joints as directed by the Engineer. This work shall be performed prior to the placement of the chip seal. The depth of the repair shall be 3 in. below the top of the existing surface. The width of the repair shall be 24 in. centered on the existing joint.

Use replacement materials conforming to the requirements of Item 441, Type 2.

The following estimated quantity has been carried to the General Summary:

Item 251 - Partial Depth Pavement Repair (441)..... 2500 SY

Item 253 – Pavement Repair

This work item is for use as directed by the Engineer for the purpose of pavement repair. All labor and material necessary to perform this work and section 250 of the CMS shall be included for payment under Item 253.

Depth of pavement repair removal shall typically be 5” below the top of the existing surface. This work shall be performed prior to the placement of the chip seal. The depth of repair shall be as directed by the Engineer if unsound material is encountered after the removal of the 5”.

Use replacement materials conforming to the requirements of Item 301.

The following estimated quantity has been carried to the General Summary:

Item 253 - Pavement Repair..... 150 CY

Item 623 – Monument Assembly Adjusted to Grade, As Per Plan

The monument boxes to be adjusted may or may not have an existing adjustable frame. The work shall consist of adjusting the existing monument boxes to the satisfaction of the engineer. The contractor is reminded to field check all adjustment to grade items prior to bidding, as no additional compensation will be granted for labor and materials required to satisfactorily adjust castings without adjustable frames.

Item 642 – Final Pavement Markings

The Contractor must lay out all center lines using the most recent copy of the Center Line Log. Copies of the Center Line Log may be obtained from the District 12 Roadway Services Department.

GENERAL NOTES

DESIGN AGENCY



DESIGNER

KHD

REVIEWER

DAB 04-30-25

PROJECT ID

99639

SHEET

P.5

TOTAL

10

Maintenance of Traffic

Work Zone Pavement Markings

The following estimated quantities have been carried to the General Summary, to be used as directed by the Engineer, to place work zone pavement markings after the Contractor has placed the chip seal and again after the Contractor has placed the Fog Seal.

- Item 614 - Work Zone Center Line, Class III, 642 Paint.....18.26 Miles
- Item 614 - Work Zone Edge Line, Class III, 642 Paint..... 36.52 Miles
- Item 614 - Work Zone Stop Line, Class III, 642 Paint..... 200 Feet

Item 614 – Work Zone Marking Sign

The following estimated quantity has been carried to the General Summary for use as directed by the Engineer for the temporary work zone marking signs per the requirements of the Construction and Materials Specifications, 614.04.

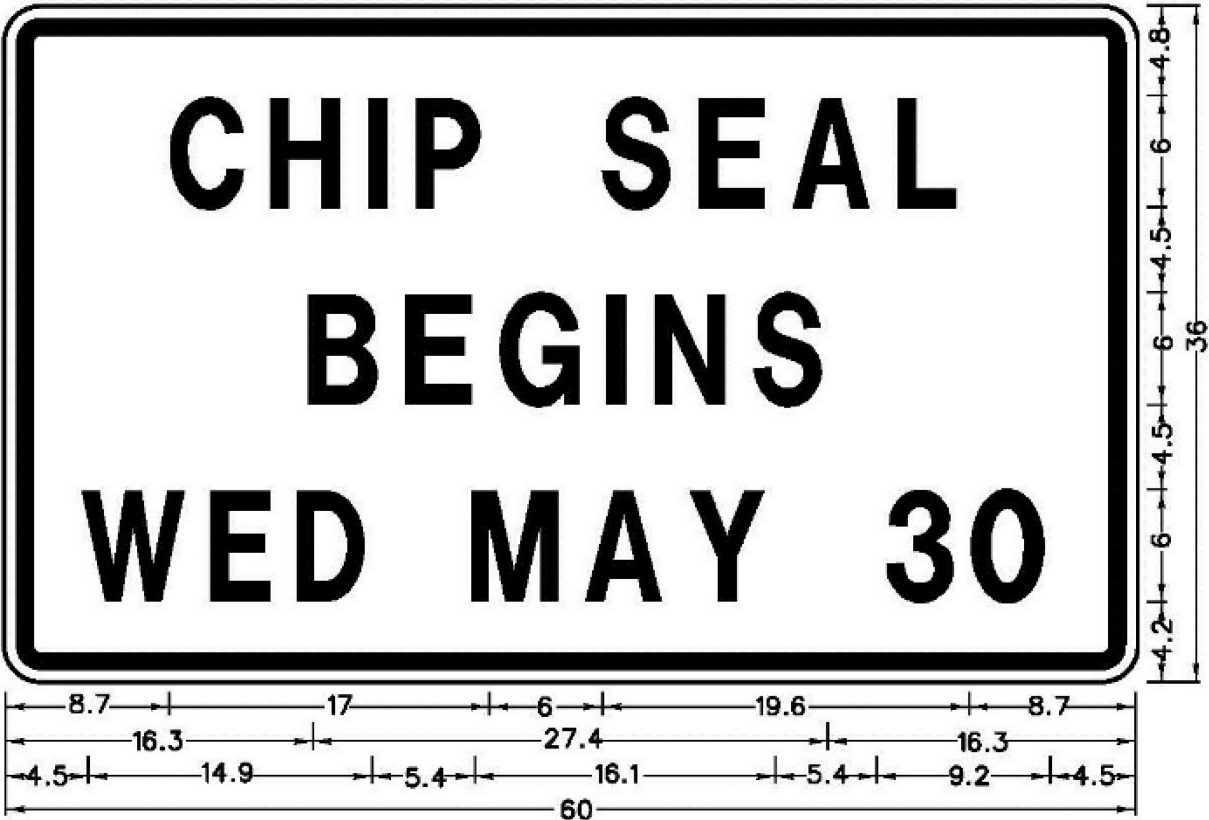
- Item 614 - Work Zone Marking Sign.....12 Each

Item 614 – Work Zone Marking Sign, As Per Plan, Advance Notice

The CHIP SEAL BEGINS signs, as detailed in these plans, shall be erected by the Contractor at least one week in advance of the scheduled start of the chip seal operations. The signs shall be erected on the right hand side of the roadway at the project limits of each roadway being chip sealed. They shall be placed so as not to interfere with the visibility of any other traffic control signs. The sign details for this black on orange sign will be provided at the preconstruction meeting. Below is an example of the layout of the sign. Start date to be provided by the Contractor.

The following estimated quantities have been included in the General Summary for use as determined by the engineer for this advance notification:

- 614, Work Zone Marking Sign, As Per Plan, Advance Notic.....4 Each



2.3" Radius, 0.9" Border, 0.6" Indent, Black and Orange
"CHIP SEAL" D; "BEGINS" D, "WED MAY 30" D 90% spacing;



SHEET NUMBER													PART.	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
5	6		8	9									01/STR/05						
																		EROSION CONTROL	
													1,000	832	30000	1,000	EACH	EROSION CONTROL	
																		PAVEMENT	
2,500													2,500	251	01000	2,500	SY	PARTIAL DEPTH PAVEMENT REPAIR (441)	
150													150	253	02000	150	CY	PAVEMENT REPAIR	
			63,243	77,630									140,873	422	11000	140,873	SY	AGGREGATE, SINGLE CHIP SEAL, TYPE A	
			25,297	31,052									56,349	422	25000	56,349	GAL	EMULSION, CHIP SEAL	
			2	2									4	623	39501	4	EACH	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER PLAN	5
			9,486	11,645									21,131	886	11000	21,131	GAL	FOG SEAL	
																		TRAFFIC CONTROL	
			342	357									699	621	00100	699	EACH	RPM	
			257	268									525	621	54000	525	EACH	RAISED PAVEMENT MARKER REMOVED	
			9.4	8.86									18.26	642	00100	18.26	MILE	EDGE LINE, 4", TYPE 1	
			4.7	4.43									9.13	642	00300	9.13	MILE	CENTER LINE, TYPE 1	
			43	57									100	642	00500	100	FT	STOP LINE, TYPE 1	
			8	8									16	642	01410	16	EACH	WORD ON PAVEMENT, 96", TYPE 1	
			74,491	70,228									144,719	642	30000	144,719	FT	REMOVAL OF PAVEMENT MARKING	
			4	4									8	642	30020	8	EACH	REMOVAL OF PAVEMENT MARKING	
																		MAINTENANCE OF TRAFFIC	
	12												12	614	12460	12	EACH	WORK ZONE MARKING SIGN	
	4												4	614	12461	4	EACH	WORK ZONE MARKING SIGN, AS PER PLAN, ADVANCE NOTICE	6
	18.26												18.26	614	21550	18.26	MILE	WORK ZONE CENTER LINE, CLASS III, 642 PAINT	
	36.52												36.52	614	22350	36.52	MILE	WORK ZONE EDGE LINE, CLASS III, 4", 642 PAINT	
	200												200	614	26610	200	FT	WORK ZONE STOP LINE, CLASS III, 642 PAINT	
																		INCIDENTALS	
													LS	614	11000	LS		MAINTAINING TRAFFIC	
													LS	623	10000	LS		CONSTRUCTION LAYOUT STAKES AND SURVEYING	
													LS	624	10000	LS		MOBILIZATION	

GENERAL SUMMARY

DESIGN AGENCY



DESIGNER

KHD

REVIEWER

DAB 04-30-25

PROJECT ID

99694

SHEET

P.7

TOTAL

10



CHIP SEAL WORK AREA

SLM 4.09
SR 86

SLM 4.12
CONCRETE CULVERT

SLM 4.13

SLM 4.36
CLAY ROAD

SLM 5.23
DEWEY ROAD

SLM 6.59
SR 528

SLM 7.00
LEDGE ROAD

SLM 8.08
SIDLEY AUSTIN LLP

SLM 8.10
STRUCTURE

~~GEAUGA COUNTY LINE~~ ~~SLM 8.79~~
~~ASHTABULA COUNTY LINE~~

COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		WIDTH	PAVEMENT AREA	422	422	621	623	621	642	642	642	643	642	642	886
								AGGREGATE, SINGLE CHIP SEAL, TYPE A	EMULSION, CHIP SEAL	RPM	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER PLAN	RAISED PAVEMENT MARKER REMOVED	EDGE LINE, 4", TYPE 1	CENTERLINE, TYPE 1	STOP LINE, TYPE 1	WORD ON PAVEMENT, .96", TYPE 1	REMOVAL OF PAVEMENT MARKINGS	REMOVAL OF PAVEMENT MARKINGS	FOG SEAL @ 0.15 GAL/SY
		STRAIGHT LINE MILEAGE	MILE	FEET	FEET	SQ. YD.	SQ. YD.	GAL	EACH	EACH	EACH	MILE	MILE	FT	EACH	FT	EACH	GAL	
GEA	166	4.09	6.59	2.50	13200	22	32267	32267	12907	181	1	136	5.00	2.50	20	4	19810	2	4840
GEA	166	6.59	8.79	2.20	11616	24	30976	30976	12390	161	1	121	4.40	2.20	23	4	17436	2	4646
			TOTALS CARRIED TO GENERAL SUMMARY					63243	25297	342	2	257	9.40	4.70	43	8	37246	4	9486

GENERAL PLANS AND QUANTITIES
SR-166

DESIGN AGENCY

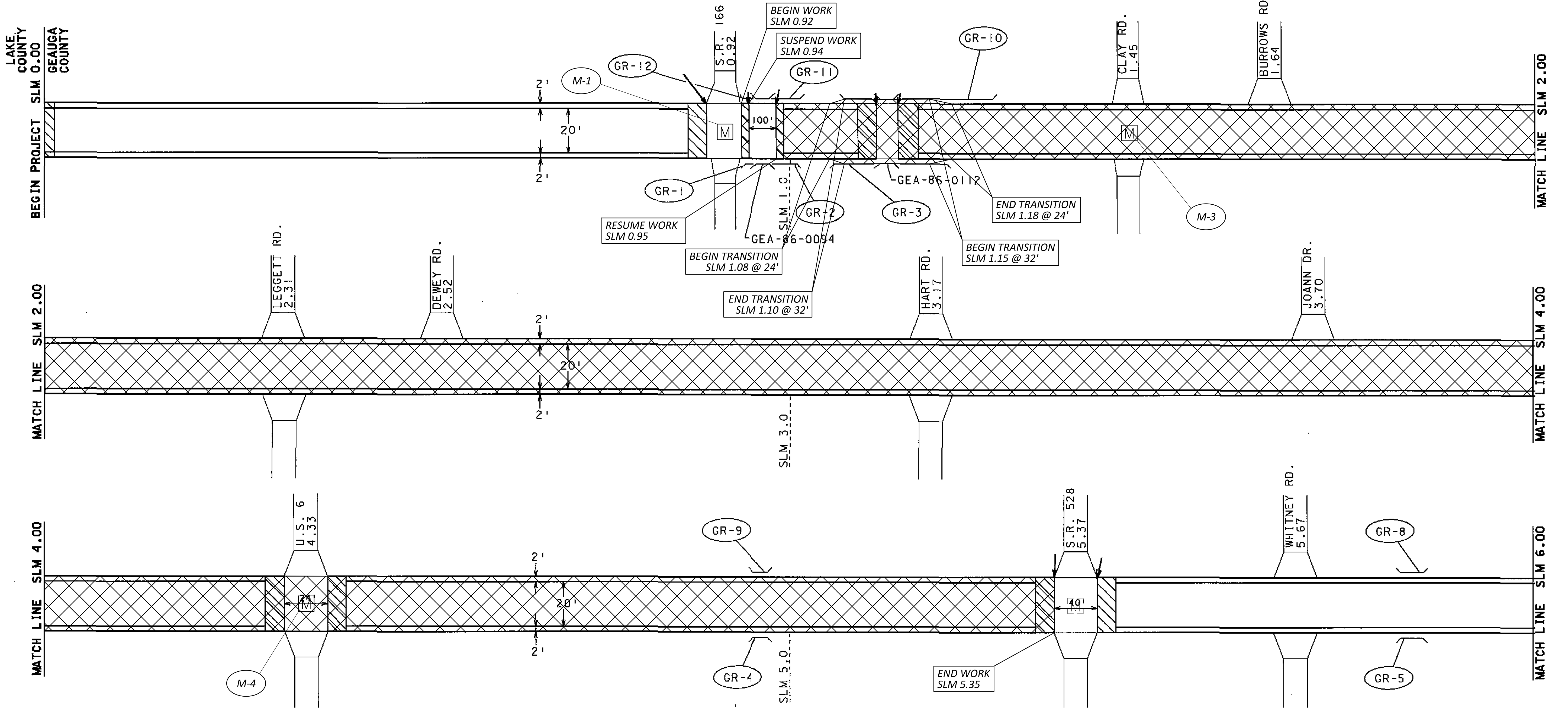


DESIGNER
KHD

REVIEWER
DAB 04-30-25

PROJECT ID	99639
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SHEET	TOTAL
P.8	10



M-#

MONUMENT ASSEMBLY
TO BE ADJUSTED

CHIP SEAL WORK AREA

COUNTY	ROUTE	LOG POINT TO LOG POINT		LENGTH		WIDTH	PAVEMENT AREA	AGGREGATE, SINGLE CHIP SEAL, TYPE A	EMULSION, CHIP SEAL	RPM	MONUMENT ASSEMBLY ADJUSTED TO GRADE, AS PER PLAN	RAISED PAVEMENT MARKER REMOVED	EDGE LINE, 4", TYPE 1	CENTERLINE, TYPE 1	STOP LINE, TYPE 1	WORD ON PAVEMENT, 96", TYPE 1	REMOVAL OF PAVEMENT MARKINGS	REMOVAL OF PAVEMENT MARKINGS	FOG SEAL @ 0.15 GAL/SY
		STRAIGHT LINE MILEAGE		MILE	FEET			SQ. YD.	GAL	EACH	EACH	EACH	MILE	MILE	FT	EACH	FT	EACH	GAL
GEA	86	0.91	0.94	0.03	158	24	422	422	169	18		13	0.06	0.03	16		246		63
GEA	86	0.94	0.95	GEA-86-0.94, SFN 2800551															
GEA	86	0.95	1.08	0.13	686	24	1830	1830	732	9		6	0.26	0.13			1030		275
GEA	86	1.08	1.18	0.1	554	VARIES	16664	16664	6666	7		5	0.20	0.10			792		2500
GEA	86	1.18	5.35	4.17	22018	24	58714	58714	23485	323	2	242	8.34	4.17	41	8	33047	4	8807
TOTALS CARRIED TO GENERAL SUMMARY								77630	31052	357	2	268	8.86	4.43	57	8	35114	4	11645

GENERAL PLANS AND QUANTITIES
SR-86

DESIGN AGENCY

DESIGNER

KHD

REVIEWER

DAB 04-30-25

PROJECT ID

99639

SHEET

P.9

TOTAL

10