

D12-PM-FY2022

MODEL: Sheet PAPER SIZE: 8.5x11 (in.) DATE: 2/9/2022 TIME: 1:22:41 PM USER: fkonopka
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SHEET NUM.										PART.		ITEM		ITEM EXT		GRAND TOTAL		UNIT		DESCRIPTION		SEE SHEET NO.
2	3	5	21	27	52	53	55	62		01\NFP\OT	ITEM	EXT	TOTAL									
	400							564		964	621	00101	964	EACH								
							22,236	22,236		22,236	621	00300	22,236	EACH								
							500	500		500	621	90000	500	EACH								
										1,428	642	00100	1,428	MILE								
25										1,396.27	642	00104	1,396.27	MILE								
										86.55	642	00200	86.55	MILE								
25										948.13	642	00204	948.13	MILE								
50										334.53	642	00300	334.53	MILE								
1,000										621.623	642	00400	621.623	FT								
										621.623	642	00404	621.623	FT								
1,000										11,931	642	00500	11,931	FT								
500										28,791	642	00620	28,791	FT								
1,250										33,368	642	00700	33,368	FT								
										1,838	642	00900	1,838	SF								
										2	642	01000	2	EACH								
4										8	642	01110	8	EACH								
20										1,526	642	01200	1,526	FT								
10										1,240	642	01300	1,240	EACH								
										18	642	01312	18	EACH								
										216	642	01322	216	EACH								
2,500										21	642	01410	21	EACH								
										309,951	642	01510	309,951	FT								
										72,465	642	01560	72,465	FT								
										3	642	01602	3	EACH								
										4	642	01702	4	EACH								
										150	642	20802	150	FT								
										10,000	642	30000	10,000	FT								
										7	642	40000	7	EACH								
										58.45	642	50000	58.45	MILE								
										200	614	11110	200	HOUR								
										LS	614	11000	LS									
										LS	624	10000	LS									
										12	624	15001	12	EACH								

GENERAL SUMMARY

DESIGNER: **FLK**

REVIEWER: **FLK** PROJECT ID: **104838**


SHEET: **P.6** TOTAL: **89**

D12-PM-FY2022

MODEL: Sheet PAPER: 8.5x11 (in.) DATE: 2/9/2022 TIME: 1:07:07 PM USER: fkonopka
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COUNTY	ROUTE	S.L.M.		EDGE LINE, 6", TYPE 1			LANE LINE, 6", TYPE 1	CHANNEL LINE, 12", TYPE 1		DOTTED LINE, 6", TYPE 1	DOTTED LINE, 12", TYPE 1	CENTER LINE, TYPE 1	REMARKS							
		FROM	TO	WHT.	YLW.	MILE-ramp		MILE	GORE					MAIN						
				MILE-main					FEET					FEET	FEET	FEET	MILE			
CUY	IR-71 (CONT.)					1.06	1.06	1.59	1350				I-71 SB ramp to I-480 WB							
						0.36	0.36	0.36	680				I-71 SB ramp to SR 237 SB (starting at the I-480 WB ramp from I-71 SB to Brookpark Corp Line)							
		245.20	246.42					4.88					GUY-71-10.48 PID 85529 2021 RESURFACING (R-WR Pavement Markings in 2022)							
		245.25				1.14	1.14	0.78	1950	380			I-71 NB & SB							
						0.64	0.64	0.58	500	720			I-71 NB exit ramp to Denison (W 65th)							
		245.48						1.13	1000		2800		I-71 SB entrance ramp from Denison (W 65th)							
		245.48				0.31	0.23	0.03	1000				I-71 NB prior to exit ramp to Fulton Rd / W25th / US 42							
						0.13	0.13		475	2150			I-71 NB exit ramp to Fulton Rd / W25th / US 42 (end at W 25th entrance ramp)							
		246.42	246.68					1.30	1000	350			I-71 SB entrance ramp from Fulton Rd							
									475				I-71 NB exit ramp to Fulton Rd							
		246.20				0.21	0.21		335				I-71 NB & SB							
						0.14	0.14	0.03	420				I-71 NB entrance ramp from Fulton Road to marginal							
						0.14	0.14		560				I-71 SB exit ramp to Fulton Rd							
										1850			I-71 NB exit ramp to W 25th							
						0.30	0.16		1900		1480		I-71 NB between Fulton Road entrance ramp and W 25th Street exit ramp							
						0.18	0.18	0.03	410	275			I-71 SB between W 25th Street entrance ramp and Fulton Road exit ramp							
						0.25	0.22		350				I-71 NB entrance ramp from W 25th							
						1.07	1.07		850	380			I-71 SB exit ramp to W 25th							
		246.68	246.88					0.36	850				I-71 SB entrance ramp from W 25th							
		246.88	247.15			0.40	0.40	1.20					I-71 SB exit ramp to Fulton Rd / W25th / US 42 end at Fulton Road entrance ramp							
						0.54	0.54	0.81					I-71 NB & SB							
		246.98	247.81						800				I-71 NB & SB							
										2680			Prior to I-71 NB exit ramp to W 14th							
		246.98	247.15			0.14	0.14	0.04	670				I-71 NB exit ramp to W 14th / I-490 / I-90							
						0.43	0.43		1100				I-71 SB entrance ramp from W 14th (end at W 25th exit ramp from I-71 SB)							
		247.15	247.81					2.64		1150			I-71 NB & SB							
		247.17							340				I-71 SB prior to exit ramp to SR 176							
		247.17							350				I-71 SB exit ramp to SR 176							
		246.98	247.81			0.83	0.83	0.83					I-71 NB at the I-90 WB / I-490 EB split							
CUY	IR-77	147.13	149.95			5.64	5.64	11.28					Summit County Line to Oakes Rd							
		147.38							800	380			I-77 SB exit ramp at Ohio Turnpike							
		147.95							1800	700			I-77 SB at end of third lane (6" Dotted line >> 2' Dash-6' Gap)							
						0.29	0.24		570	500			I-77 NB entrance ramp from Miller Road (ramp B-1)							
						0.18	0.18		780				I-77 SB exit ramp at Miller Road (ramp B-2)							
		155.59	156.63			2.08	2.08	2.08					GUY-77-1.89 PID 99553 2021 RESURFACING (R-WR Pavement Markings in 2022)							
													I-77 NB & SB							
													GUY-77-8.37 PID 113403 Ramp Widening (R-WR Pavement Markings in 2022)							
						0.20	0.16		200				Ramp from Rockside Road WB to I-77 NB / I-480 ramps (ramp F-6) (end at ramp F-3)							
						0.60	0.60	0.10	390				I-77 SB ramp to Rockside Road (ramp F-4)							
						0.07	0.07		420				Ramp from I-480 EB / WB ramp to Rockside Road (ramp F-5) (end at Ramp from I-77 SB to Rockside Road)							
									480	9265	8810		Rockside Road ramps to I-77 NB (ramp F-7) (begin at Ramp F-3 from Rockside Road EB to I-77 NB)							
SHEET SUB-TOTAL												13.77	13.77	9.36	9.02	29.26	17700	800	480	8810

SUB-SUMMARY - LONG LINE



DESIGN AGENCY

DESIGNER
FLK

REVIEWER
FLK 03/11/21

PROJECT ID
104838

SHEET TOTAL
P.8 89

D12-PM-FY2022

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COUNTY	ROUTE	S.L.M.		EDGE LINE, 6", TYPE 1			LANE LINE, 6", TYPE 1	CHANNEL LINE, 12", TYPE 1		DOTTED LINE, 6", TYPE 1	DOTTED LINE, 12", TYPE 1	CENTER LINE, TYPE 1	REMARKS
		FROM	TO	WHT. YLW.	WHT. YLW.	MILE-ramp		MILE	GORE				
				475.88		197.04	464.57	282157	147580	72465		2.08	
						197.04	464.57	282157	147580				
				869.96			929.13	564314	295160	72465		2.08	
				GRAND TOTALS									
				SECOND APPLICATION **									
				TOTALS TO GENERAL SUMMARY									
				** - AS DIRECTED BY THE ENGINEER (100%)									

SUB-SUMMARY - LONG LINE

DESIGNER AGENCY



DESIGNER	FLK
REVIEWER	FLK 03/11/21
PROJECT ID	104838
SHEET	TOTAL
P.21	89

D12-PM-FY2022

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REMARKS

COUNTY	ROUTE	S.L.M.		EDGE LINE, 4", TYPE 1		EDGE LINE, 6", TYPE 1		LANE LINE, 4", TYPE 1	CHANNEL, LINE, 8", TYPE 1		DOTTED LINE, 6", TYPE 1	CENTER LINE, TYPE 1	EQUIV. LENGTH SOLID	REMARKS
		FROM	TO	WHT.	YLW.	WHT.	YLW.		GORE	MAIN				
CUY	SR-175	3.01	3.74					1.46				0.70	0.70	Village of Highland Hills
CUY	SR-252	2.26	3.42			2.32						1.16	2.72	Olmsted Township Line to North Olmsted Corp Line
GEA	US-6	0.00	3.75			7.50						3.75	6.64	Lake County Line to Chardon Corp Line
		5.89	8.61			5.44						2.72	4.15	Chardon Corp Line to SR 608
		13.64	16.13			4.98						2.49	8.38	SR 528 to Ashtabula County Line
GEA	US-322	0.00	0.62			1.24		1.24				0.62	2.48	Cuyahoga County Line to 2-lane section
		0.62	2.75			4.26						2.13	4.49	2-lane section to SR 306
		2.75	10.40			15.30						7.65	13.17	SR 306 to SR 44
		10.40	14.47			8.14						4.07	5.86	SR 44 to SR 608
GEA	US-422	10.63	13.04			4.82						2.41	4.82	Begin 2-lane section to SR 700
		13.04	14.99			3.90						1.95	3.90	SR 700 to Mumfords Road
		14.99	17.35			4.72		4.72				0.35	0.87	Mumfords Road to SR 88 / SR 528 / SR 168
		14.99	14.99					600						Mumfords Road
		17.35	18.31			1.92		1.92				0.96		SR 88 / SR 528 / SR 168 to 18.31
		18.31	19.90			3.18		3.18				1.59		From 18.31 to Portage County Line (concrete section)
GEA	SR-43	0.00	0.31			0.62		0.62				0.31	0.62	Portage County Line to 5 lane section
		0.31	0.94			1.26		1.26				0.63	1.71	5 lane section
GEA	SR-44	0.00	2.53			5.06						2.53	4.04	Portage County Line to US 422
		2.53	2.63			0.20		0.36				0.10	4.04	US 422 5-lane section
		2.63	2.81			0.36						0.18	0.40	US 422 5-lane section to Washington Street
		2.81	5.48			5.34						2.67	3.13	Washington Street to Messenger Road
		5.48	7.00			3.04						1.52	2.71	Messenger Road to Music Street
		7.00	8.88			3.76						1.88	3.47	Music Street to SR 87
		13.15	14.98			3.66						1.83	2.50	GEA-44-8-88 PID 92601 (Resurfaced in 2021, Epoxy)
		18.45	21.73			6.56						3.28	1.25	US 322 to Chardon Corp Line
GEA	SR-86	0.00	0.92			1.84						0.92	1.39	Chardon Corp Line to Lake County Line
		0.92	4.33			6.82						3.41	5.10	Lake County Line to SR 166
		4.33	5.37			2.08						1.04	1.41	SR 166 to US 6
		5.37	8.60			6.46						3.23	2.26	US 6 to SR 528
														SR 528 to Ashtabula County Line
SHEET SUB-TOTAL												56.08	92.21	

SUB-SUMMARY - LONG LINE

DESIGN AGENCY



DESIGNER
FLK

REVIEWER
FLK 03/11/21

PROJECT ID
104838

SHEET TOTAL
P.23 89

D12-PM-FY2022

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COUNTY	ROUTE	S.L.M.		EDGE LINE, 4", TYPE 1		EDGE LINE, 6", TYPE 1		LANE LINE, 4", TYPE 1	CHANNEL, LINE, 8", TYPE 1		DOTTED LINE, 6", TYPE 1	CENTER LINE, TYPE 1	EQUIV. LENGTH SOLID	REMARKS
		FROM	TO	WHT.	YLW.	WHT.	YLW.		GORE	MAIN				
GEA	SR-87	0.00	2.73			5.46						2.73	5.56	Cuyahoga County Line to SR 306
		2.73	7.70			9.94						4.97	8.62	SR 306 to Auburn Road
		7.70	10.55			5.70						2.85	5.70	Auburn Road to SR 44
		10.55	12.51			3.92						1.96	2.90	SR 44 to Burton Corp Line
		13.60	16.01			4.82						2.41	3.23	Burton Corp Line to Middlefield Corp Line
		19.72	20.72			2.00						1.00	3.11	Hayes Rd. to Trumbull County Line
GEA	SR-87D													
GEA	SR-88	0.00	2.07			4.14						2.07	3.23	Portage County Line to US 422
		2.07	3.36			2.58						1.29	1.82	US 422 TO SR 528
		3.36	6.11			5.50						2.75	3.65	SR 528 to Old State Road
		6.11	6.33			0.44						0.22	0.44	Old State Road to Trumbull County Line
GEA	SR-166	0.00	4.09			8.18						4.09	6.25	US 6 to SR 86
		4.09	6.59			5.00						2.50	1.82	SR 86 to SR 528
		6.59	8.79			4.40						2.20	2.12	SR 528 to Ashtabula County Line
GEA	SR-168													
		1.60	7.90			12.60						6.30	7.77	Nash Road to Burton Corp Line
		7.90	8.45			1.10						0.55	1.10	Village of Burton
GEA	SR-282	0.00	0.36			0.72						0.36	0.46	Portage County Line to US 422
GEA	SR-306	0.00	2.66			5.32						2.66	4.34	Portage County Line to Bainbridge Road
		2.66	3.08			0.84		0.84				0.42	0.95	Bainbridge Road to Tanglewood Trail
		3.08	5.36			4.56						2.28	4.84	Tanglewood Trail to Village of South Russell
		5.36	6.45			2.18						1.09	1.70	Village of South Russell
		6.45	7.96			3.02						1.51	2.69	South Russel Corp Line to SR 87
		7.96	12.08			8.24						4.12	7.62	SR 87 to US 322
		12.08	15.49			6.82						3.41	5.79	US 322 to Lake County Line
SHEET SUB-TOTAL												107.48	85.71	

SUB-SUMMARY - LONG LINE

DESIGNER: **FLK**
 REVIEWER: **FLK 03/11/21**
 PROJECT ID: **104838**
 SHEET TOTAL: **P.24 89**


D12-PM-FY2022

MODEL: Sheet PAPER: SIZE: 8.5x11 (in.) DATE: 2/9/2022 TIME: 1:09:07 PM USER: fkonopka
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COUNTY	ROUTE	S.L.M.		EDGE LINE, 4", TYPE 1		EDGE LINE, 6", TYPE 1		LANE LINE, 4", TYPE 1	CHANNEL, LINE, 8", TYPE 1		DOTTED LINE, 6", TYPE 1	CENTER LINE, TYPE 1	EQUIV. LENGTH SOLID	REMARKS
		FROM	TO	WHT.	Y.LW.	WHT.	Y.LW.		GORE	MAIN				
GEA	SR-528	1.29	4.59			6.60						3.30	1.72	SR 88 to SR 608
		4.59	6.35			3.52						1.76	2.19	SR 88 (only SR 528)
		6.35	11.48			10.26						5.13	3.10	SR 87 to US 322
		11.48	16.48			10.00						5.00	3.89	US 322 to US 6
		16.48	20.51			8.06						4.03	5.04	US 6 to SR 166
		20.51	24.05			7.08						3.54	4.69	SR 166 to Lake County Line
		22.30				0.17						0.01		Thompson Circle
GEA	SR-608	0.00	1.29			2.58						1.29	2.52	SR 528 to Middlefield Corp Line
		1.29	2.45			2.32						1.16	2.41	Village of Middlefield
		2.45	7.53			10.16						5.08	7.88	Middlefield Corp Line to US 322
		10.68	12.84			4.32						2.16	2.51	GEA-608-7.53 PID 99628 (Resurfaced in 2021, Epoxy) Sisson Road to US 6
GEA	SR-700	0.00	2.71			5.42						2.71	3.06	Portage County Line to US 422
		2.71	7.75			10.08						5.04	7.08	US 422 to SR 168
LAK	US-20	12.21	14.24					4.06				4.06	5.08	Mentor Corp Line to Painesville Corp Line
		17.13	17.55	0.84				1.70				0.42	0.99	Painesville Corp Line to 4-lane section
		17.55	18.40	1.70				0.74				0.85	0.85	4-lane section to SR 535
		18.40	18.77	0.74				0.30				0.37	0.74	SR 535 to Bacon Road / Bowhall Road
		18.77	18.92					0.30				0.30	0.38	Bacon Road / Bowhall Road to Hale Road
		18.92	19.27	0.70				0.70				0.35	0.70	Hale Road to 2-lane section
		19.27	19.59					1.98				0.32	0.64	2-lane section to SR 2
		19.59	20.58	1.98				4.08				0.99	1.98	SR 2 to Lane Road
		20.58	22.62	4.08				4.74				2.04	4.08	Lane Road to Center Road
		22.62	24.99	4.74				6.04				2.37	4.74	Center Road to Townline Road
		24.99	28.01	6.04								3.02	6.04	Townline Road to SR 528
														LAK-20-28.01 PID 99677 (Resurfaced in 2021, Epoxy)
LAK	SR-44	7.96	8.34	0.76				0.76				0.38	0.76	Mentor Corp Line to Grand River Corp Line
		8.34	9.37	2.06				2.06				1.03	2.06	Village of Grand River
		9.37	9.53	0.32				0.32				0.16	0.32	Grand River Corp Line to Headlands Road
LAK	SR-84	11.00	11.56	1.12								0.56	0.14	Village of Kirtland Hills
		19.11	21.54			4.86						2.43	4.80	Painesville Corp Line to Vrooman Road
		21.54	26.52			9.96						4.98	6.53	Vrooman Road to Townline Road
		26.52	28.27			3.50						1.75	2.85	Townline Road to Madison Corp Line
		28.27	30.47	4.40								2.20	2.66	Village of Madison
		30.47	31.95			2.96						1.48	2.17	Madison Corp Line to Ashtabula County Line
SHEET SUB-TOTAL				29.48		101.85		0.17				70.27	94.80	

SUB-SUMMARY - LONG LINE

DESIGN AGENCY



DESIGNER: **FLK**
 REVIEWER: **FLK** 03/11/21
 PROJECT ID: **104838**
 SHEET TOTAL: **P.25** / **89**


D12-PM-FY2022

MODEL: Sheet PAPER SIZE: 8.5x11 (In.) DATE: 2/9/2022 TIME: 1:08:14 PM USER: fkonopka
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COUNTY	ROUTE	S.L.M.		EDGE LINE, 4", TYPE 1		EDGE LINE, 6", TYPE 1		LANE LINE, 4", TYPE 1		CHANNEL LINE, 8", TYPE 1		DOTTED LINE, 6", TYPE 1	CENTER LINE, TYPE 1	EQUIV. LENGTH SOLID		REMARKS			
		FROM	TO	WHT.	YLW.	WHT.	YLW.	MILE	FEET	GORE	MAIN			FEET	MILE		MILE		
LAK	SR-86	1.68	2.53			1.70							0.92	1.84		Painesville Corp Line to end of realignment project			
		2.53	3.99			2.92							1.46	2.92		End of realignment project to I-90			
		3.99	10.21			12.44							6.22	8.54		I-90 to Geauga County Line			
		5.54					0.10									Vrooman Road - roundabout - does not include Leroy Center Road or Vrooman Road approaches			
LAK	SR-283	2.60	3.21	1.22									0.61	1.21		Village of Lakeline			
LAK	SR-307	0.00	2.32													SR 528 to Ashtabula County Line			
LAK	SR-528	0.00	3.64			7.28							3.64	6.24		Geauga County Line to Madison Corp Line			
		3.64	4.07			0.86							0.43	0.59		Village of Madison			
		4.21	5.83			3.24							1.62	1.73		Village of Madison			
		5.83	6.32			0.98							0.49	0.49		Madison Corp Line to US 20			
LAK	SR-535	0.42	1.55	2.26									1.13	1.77		Village of Fairport Harbor			
		1.55	4.85	6.60									3.30	4.91		Fairport Harbor Corp Line to US 20			
LAK	SR-608	0.00	1.80	3.60		3.60							1.80	3.38		Geauga County Line to Girdled Road			
		1.80	3.57	3.54		3.54							1.77	3.45		Girdled Road to Ravenna Road			
LAK	SR-615	0.24	1.83	3.18									1.59	1.71		Village of Kirtland Hills			
SHEET SUB-TOTAL														20.40	36.56	0.10	2.48	38.78	
GRAND TOTALS														113.50	365.66	69.24	225.96	350.01	

SUB-SUMMARY - LONG LINE

DESIGN AGENCY 

DESIGNER: **FLK**

REVIEWER: **FLK** 03/11/21

PROJECT ID: **104838**

SHEET TOTAL: **P.26** | **89**

D12-PM-FY2022

MODEL: Sheet PAPER SIZE: 8.5x11 (In.) DATE: 2/9/2022 TIME: 1:09:21 PM USER: fkonopka
 pw:\h01h0d0-pw.berliffy.com\h01h0d0-pw-02\Documents\OT Active Projects\District 12_D12104838\400-Engineering\Traffic\Sheets\104838_TS021.dgn

642

COUNTY	ROUTE	S.L.M.		EDGE LINE, 4", TYPE 1		EDGE LINE, 6", TYPE 1		LANE LINE, 4", TYPE 1		CHANNEL, LINE, 8", TYPE 1		DOTTED LINE, 6", TYPE 1		CENTER LINE, TYPE 1		EQUIV. LENGTH SOLID		REMARKS
		FROM	TO	WHT.	YLW.	WHT.	YLW.	MILE	MILE	GORE	MAIN	FEET	FEET	MILE	MILE	MILE	MILE	
				113.50		365.66		69.24		600		1445		225.96				
				28.38		91.42		17.31		150		361		56.49				
				141.88		457.08		86.55		750		1806		282.45				
				GRAND TOTALS														
				SECOND APPLICATION **														
				TOTALS TO GENERAL SUMMARY														
				** - AS DIRECTED BY THE ENGINEER (25%)														

SUB-SUMMARY - LONG LINE

DESIGN AGENCY



DESIGNER	FLK
REVIEWER	FLK 03/11/21
PROJECT ID	104838
SHEET	TOTAL
P.27	89