TRAFFIC SIGNAL TIMING PERMIT

	PHASE	1	2	3	4	5	6	7	8			
APPROACH			NB		EB		SB		WB			
MINIMUM GREEN			7		10		7		10			
PASSAGE			0.0		0.0		0.0		0.0			
MAXIMUM NO. 1			35		15		35		15			
MAXIMUM NO. 2			0		0		0		0			
YELLOW CHANGE			3.0		3.2		3.0		3.2			
RED CLEARANCE			3.8		3.0		3.8		3.0			
WALK			7		7		7		7			
PEDESTRIAN CLEARANCE			21		12		21		12			
EXTENDED PED. CLEARANCE			0		2		0		2			
REST IN WALK			0		0		0		0			
INITIALIZATION			1		4		1		4			
NON-ACT RESPONSE			0		0		0		0			
VEHICLE RECALL			3		3		3		3			
PEDESTRIAN RECALL			2		2		2		2			
NON-LOCK MEMORY			0		0		0		0			
DUAL ENTRY			0		0		0		0			
	CYCLE									O1	O2	O3
DIAL 1 SPLIT 1	110		35		75		35		75	59		
DIAL 2 SPLIT 1	100		35		65		35		65	25		
DIAL 3 SPLIT 1	100		35		65		35		65	20		
DIAL 4 SPLIT 1	100		35		65		35		65	46		
DIAL 4 SPLIT 2	90		35		55		35		55	38		
DIAL SPLIT												
	MODE		0		1		0		1			

PHASE

1 M-1 (Woodward)

2 WB Adams

3

4

5

6

7

8

Hours of Operation
D1/S1/O1 - Normal
D2/S1/O1 - 07:00-09:00, Monday-Friday
D3/S1/O1 - 15:00-18:00, Monday-Friday

D4/S1/O1 = Special Event Ingress; D4/S2/O1 = Special Event Egress
Special Event Day Patterns Shown in Page 2 Remarks

OVERLAPS

Overlap Phase	*Load Bays*	*Phases Overlapped*	T.G. (s)	Y (s)	R (s)	-G/Y	+GRN
=							
=							
=							
=							

TIMING INSTALLED

REMARKS

Clearance values updated, timing optimized, and special event timing added by WSP as part of JN 124093PE.

Pedestrian calculations are based on a walking speed of 3.5 feet per second.

Pole Mount Cabinet.

PREPARED BY: JLY DATE: 03/11/19

FLASH HOURS: DAILY ☐ NONE ☒

to

NIGHT FLASH:

FY = FR =

CONFLICT FLASH:

FY = M-1 (Woodward) FR = Adams

CONTROLLER TYPE:
☒ EPAC
☐ Other:

PRE-EMPT ☐
COUNTDOWN PEDS ☒

LOCATION:
M-1 (Woodward) @ Adams
CITY/TWP: Detroit
COUNTY : Wayne

MILE POINT	CONTROL SECTION-SPOT #
8.47	82131-01-008

Job # (If Applicable): JN 124093PE

CLEAR PAGE 1

CLEAR ALL

Page 3 included only if Pre-Empt Checked

ADVANCED TIMING PARAMETERS FORM

SYSTEM INFORMATION

Controller Type:
- ☒ EPAC
- ☐ Other:

System Type:
- ☒ Closed Loop
  - ☐ Stand By
  - ☐ Group 1
  - ☐ Group 2
  - Address:
- ☐ TBC
- ☐ TBC/GPS
- ☐ None
- ☐ Other:

If TBC, Synch by:
- ☐ TOD
- ☐ Event

Interconnect Type:
- ☐ Hardwire
- ☒ Fiber-Optic
- ☐ Radio
- ☐ Phone Drop
- ☐ None
- ☐ Other:

If Phone Drop, Phone #

Controller Status:
- ☐ Master
- ☒ Slave
- ☐ Isolated
- ☐ TBC

If Slave, Master Location: M-1 @ I-75 SB Serv Dr

Master Spot # : 82131-01-064

LEFT-TURN PHASING

Phase # / Description	*Permissive-Protected* Lead	*Permissive-Protected* Lag	*Protected-Only* Split	*Protected-Only* Lead	*Protected-Only* Lag
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐
	☐	☐	☐	☐	☐

RING AND BARRIER STRUCTURE

	B1				B2				B3				B4			
R1				1	2											
R2																
R3																
R4																

VEHICULAR AND PEDESTRIAN DETECTION

Approach	*Vehicular Detection* Movements and Call Delay (s) Left		Thru		Right		Type Loop	Video	Other	*Pedestrian Detection* Push-Button Crossing Locations
	☐		☐		☐		☐	☐	☐	
	☐		☐		☐		☐	☐	☐	
	☐		☐		☐		☐	☐	☐	
	☐		☐		☐		☐	☐	☐	
	☐		☐		☐		☐	☐	☐	
	☐		☐		☐		☐	☐	☐	

DISAPPEARING LEGEND CASE SIGNS

ADDITIONAL DIAL SPLIT DATA

		PHASE	1	2	3	4	5	6	7	8	O1	O2	O3
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											
DIAL	SPLIT	CYCLE											

COORDINATION DATA

Operation Mode	1
Coordination Mode	0
Maximum Mode	0
Correction Mode	3
Offset Mode	0
Force Mode	0
Max Dwell	0
Yield Period	0

REMARKS:

Planned Special Event Day Patterns:
Day 51 for Weekend 1pm start
Day 52 for Weekend 4pm start
Day 53 for Weekend 7pm start
Day 54 for Weekday 1pm start
Day 55 for Weekday 7pm start
Day 56 for Opening Day 1pm start
Day 57 for Weekend 6pm start

ADDITIONAL OVERLAP DATA

Overlap Phase	*Load Bays*	*Phases Overlapped*	T.G. (s)	Y (s)	R (s)	-G/Y	+GRN
=							
=							
=							
=							

PREPARED BY: JLY DATE: 03/11/19

☐ MDOT ☐ County ☐ City ☒ Consultant

LOCATION: M-1 (Woodward) @ Adams

CONTROL SECTION-SPOT #
82131-01-008

CLEAR PAGE 2

PREEMPTION INFORMATION FORM

Preemption Description:

Preempt # =	Time (s)	Phases		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SEL Ped Cl		Vehicle	Track																
SEL Yellow			Dwell																
SEL Red Cl			Cycle																
TRACK Green			Exit																
TRACK Ped Cl		Ped	Track																
TRACK Yellow			Dwell																
TRACK Red CL			Cycle																
DWELL Green			Overlap	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
RET Ped Cl		Overlap Vehicle	Track																
RET Yellow			Dwell																
RET Red Cl			Cycle																

☐ Locking

☐ Non-Locking

Delay (s)	
Extend (s)	
Duration (s)	
Max Call (s)	
Lockout (s)	
Link PE #	

Preemption Description:

Preempt # =	Time (s)	Phases		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SEL Ped Cl		Vehicle	Track																
SEL Yellow			Dwell																
SEL Red Cl			Cycle																
TRACK Green			Exit																
TRACK Ped Cl		Ped	Track																
TRACK Yellow			Dwell																
TRACK Red CL			Cycle																
DWELL Green			Overlap	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
RET Ped Cl		Overlap Vehicle	Track																
RET Yellow			Dwell																
RET Red Cl			Cycle																

☐ Locking

☐ Non-Locking

Delay (s)	
Extend (s)	
Duration (s)	
Max Call (s)	
Lockout (s)	
Link PE #	

Preemption Description:

Preempt # =	Time (s)	Phases		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SEL Ped Cl		Vehicle	Track																
SEL Yellow			Dwell																
SEL Red Cl			Cycle																
TRACK Green			Exit																
TRACK Ped Cl		Ped	Track																
TRACK Yellow			Dwell																
TRACK Red CL			Cycle																
DWELL Green			Overlap	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
RET Ped Cl		Overlap Vehicle	Track																
RET Yellow			Dwell																
RET Red Cl			Cycle																

☐ Locking

☐ Non-Locking

Delay (s)	
Extend (s)	
Duration (s)	
Max Call (s)	
Lockout (s)	
Link PE #	

Preemption Description:

Preempt # =	Time (s)	Phases		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
SEL Ped Cl		Vehicle	Track																
SEL Yellow			Dwell																
SEL Red Cl			Cycle																
TRACK Green			Exit																
TRACK Ped Cl		Ped	Track																
TRACK Yellow			Dwell																
TRACK Red CL			Cycle																
DWELL Green			Overlap	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
RET Ped Cl		Overlap Vehicle	Track																
RET Yellow			Dwell																
RET Red Cl			Cycle																

☐ Locking

☐ Non-Locking

Delay (s)	
Extend (s)	
Duration (s)	
Max Call (s)	
Lockout (s)	
Link PE #	

Preempt System Data

Ring	1	2	3	4	
MIN GRN/WLK (s)					
Priority	PE/FL	PE1/2	PE2/3	PE3/4	PE4/5	PE5/6
Status						

REMARKS :

PREPARED BY: JLY DATE: 03/11/19

LOCATION:

M-1 (Woodward) @ Adams

CONTROL SECTION-SPOT #
82131-01-008

CLEAR PAGE 3