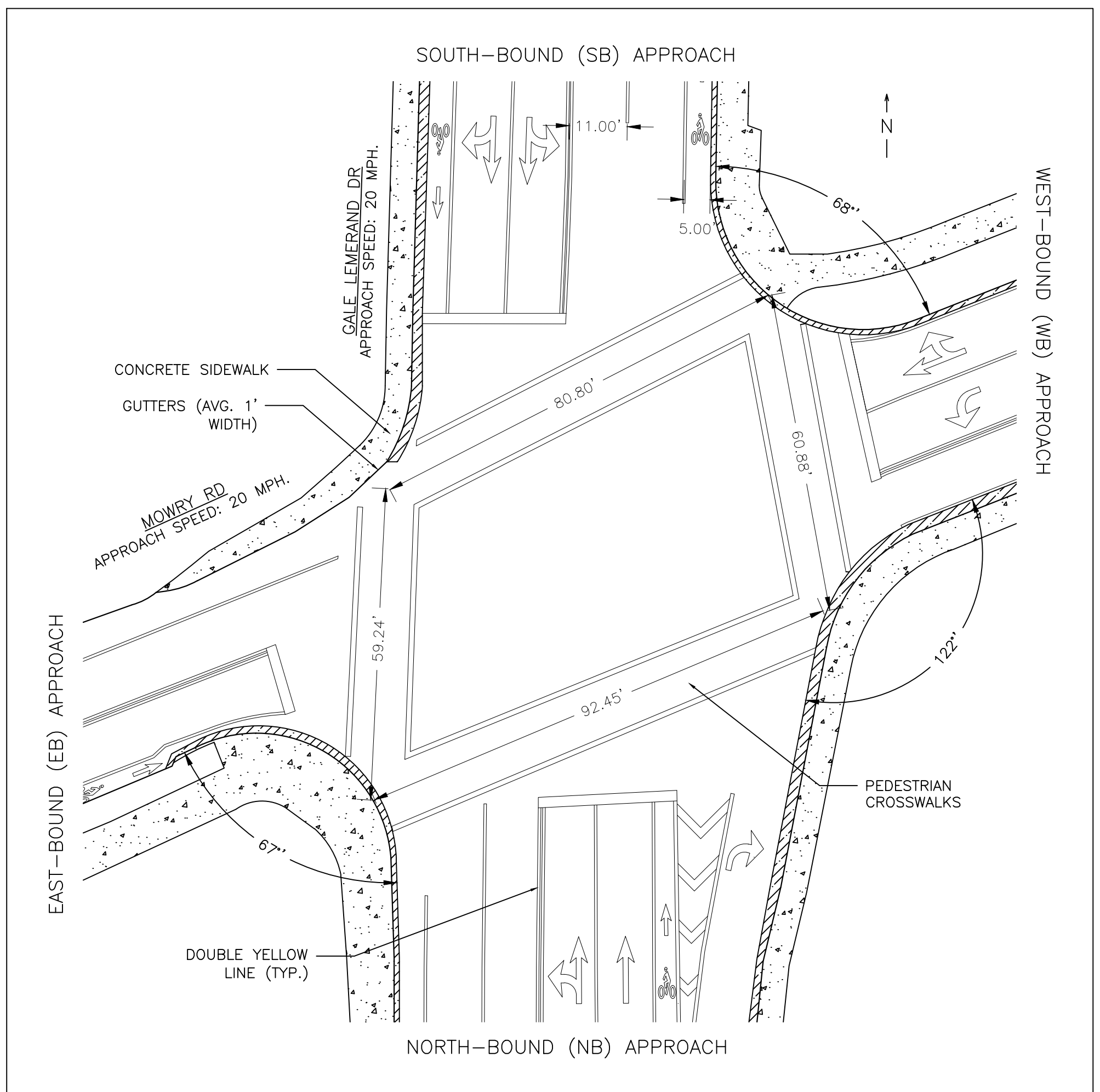


## SITE LOCATION



## INTERSECTION GEOMETRY

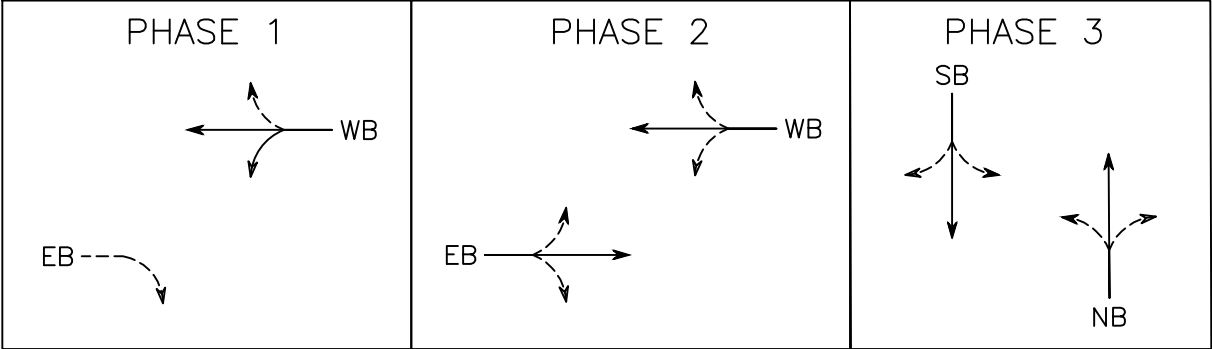
SCALE: 1" = 20'

MOWRY RD.		GALE LEMERAND DR.	
EB	WB	NB	SB
LT/TH/RT	TH/RT	TH/LT	LT/TH/RT
	LT	RT	

- NOTES:
1. LT = LEFT TURN; RT = RIGHT TURN;  
TH = THROUGH
  2. INFORMATION WAS GATHERED BASED ON FIELD OBSERVATIONS AND INTERSECTION GEOMETRY

### APPROACH LANE GROUPS

MOVEMENTS DURING EACH PHASE WITHIN 1 CYCLE AT THE INTERSECTION:



- NOTES:
1. SOLID LINES INDICATE RIGHT-OF-WAY; DASHED LINES INDICATE PERMITTED MOVEMENTS

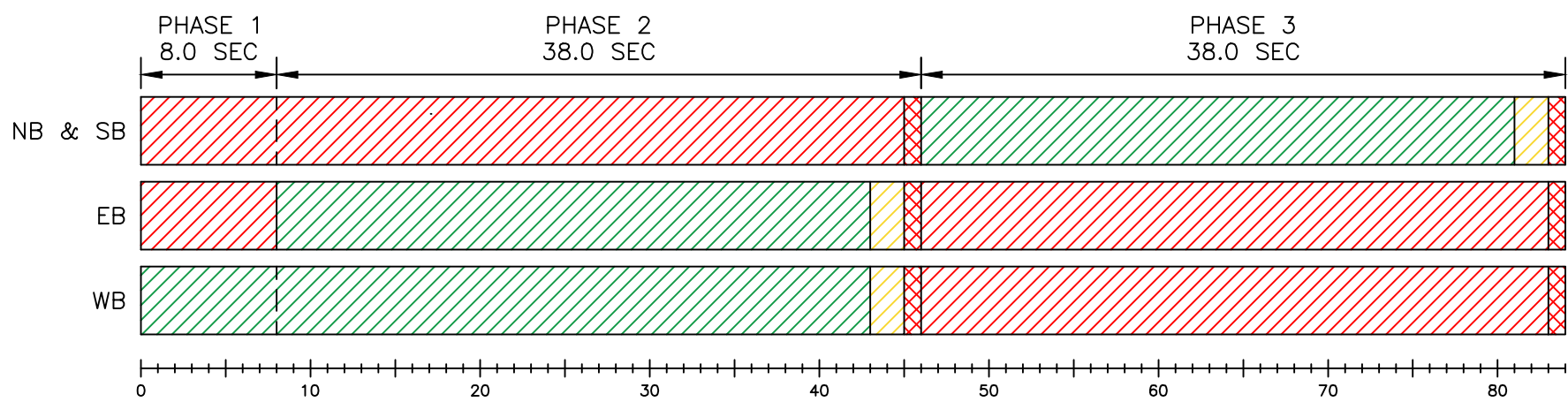
### OBSERVED SIGNAL PHASING

	MOWRY RD.								GALE LEMERAND DR.							
	EAST-BOUND APPROACH				WEST-BOUND APPROACH				NORTH-BOUND APPROACH				SOUTH-BOUND APPROACH			
TIME INTERVAL	LT	TH	RT	PED.	LT	TH	RT	PED.	LT	TH	RT	PED.	LT	TH	RT	PED.
5:05-5:20 PM	33	89	22	8	14	4	16	2	14	55	3	2	5	95	76	1
5:20-5:35 PM	33	103	32	6	20	13	17	7	12	85	3	3	8	98	80	5
5:35-5:50 PM	26	84	23	1	34	13	8	2	24	100	3	1	11	86	84	7
5:50-6:05 PM	21	62	28	4	35	15	11	1	10	84	4	1	7	72	74	0
TOTAL	113	338	105	19	103	45	52	12	60	324	13	7	31	351	314	13

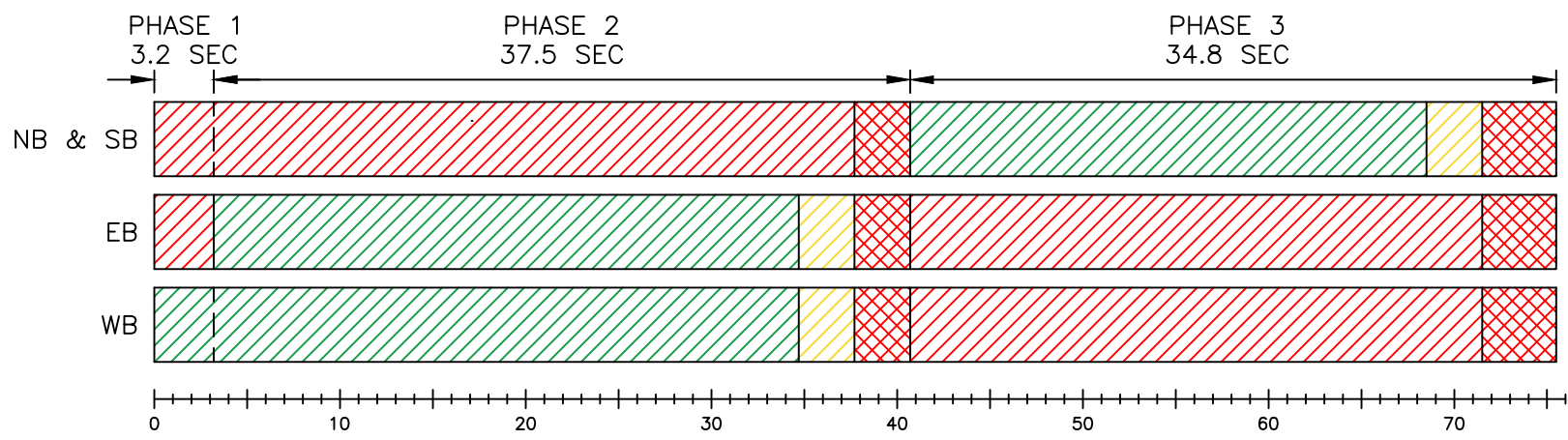
- NOTES:
1. PED = PEDESTRIANS CROSSING ACROSS EACH APPROACH
  2. DATA WAS COLLECTED BETWEEN 5:05 PM AND 6:06 PM ON WEDNESDAY, MARCH 30, 2022 TO REFLECT TYPICAL WEEKDAY RUSH HOUR TRAFFIC

### RECORDED PEAK HOUR TRAFFIC VOLUMES

OBSERVED INTERSECTION CYCLE TIMING:



DESIGNED INTERSECTION CYCLE TIMING:



KEY:

- GREEN SIGNAL DURATION
- YELLOW SIGNAL DURATION
- RED SIGNAL DURATION
- ALL-RED INTERVAL

NOTES:

- OBSERVED CYCLE LENGTH = 84.0 SEC; DESIGNED CYCLE LENGTH = 75.7 SEC
- THE DESIGNED CYCLE TIMING IS BASED ON THE CALCULATED OPTIMUM CYCLE LENGTH GIVEN THE INTERSECTION'S EXISTING LANE CONFIGURATION AND TRAFFIC VOLUMES, WITH GREEN SIGNAL LENGTHS EXTENDED TO PROVIDE SUFFICIENT TIME FOR PEDESTRIAN CROSSING

OBSERVED & DESIGNED CYCLE TIMING