APPENDIX B

ILV ANALYSIS SHEETS

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

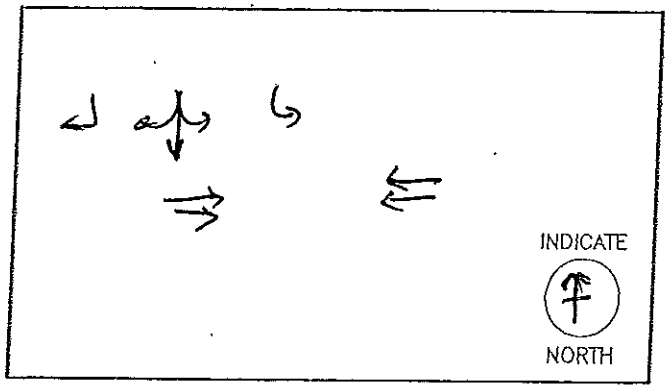
INTERSECTION I-5 SB Ramps / Via de la Valle.

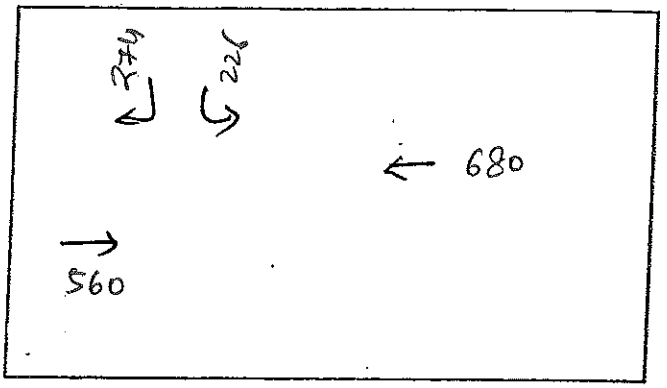
DIST. CO. RTE. P.M. 11 / I-5.

BY VS DATE

TIM Ex. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
280 → 280 ; ← 1340 ; ← 340	137 ; 250 ; 113		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
340	250		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
590

☒ : 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

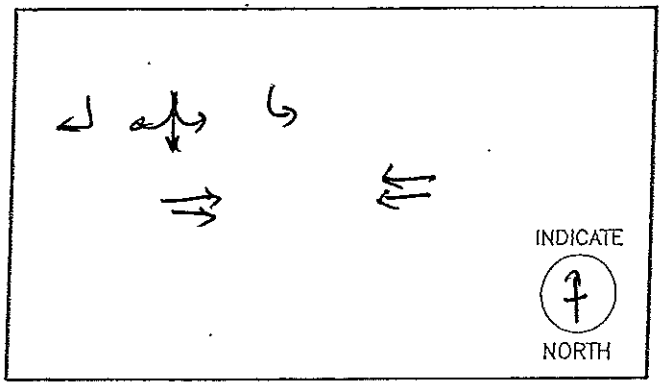
INTERSECTION I-5 SB Ramps / Via de la Valle.

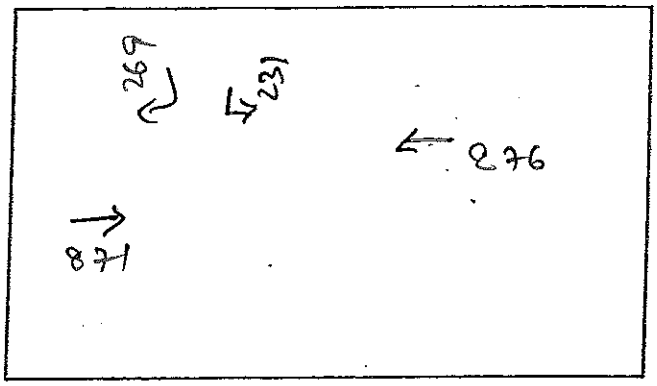
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME EX. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436 → 435; 438 ← 438	134 ↲ 250 ↳ 116		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
438.	250		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
688

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

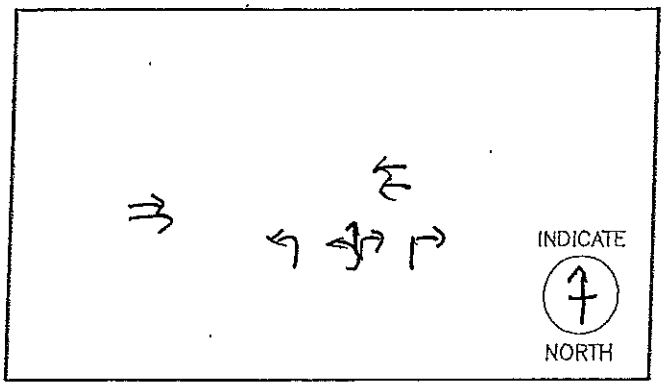
INTERSECTION I-5 NB Ramps / Via de la Valle

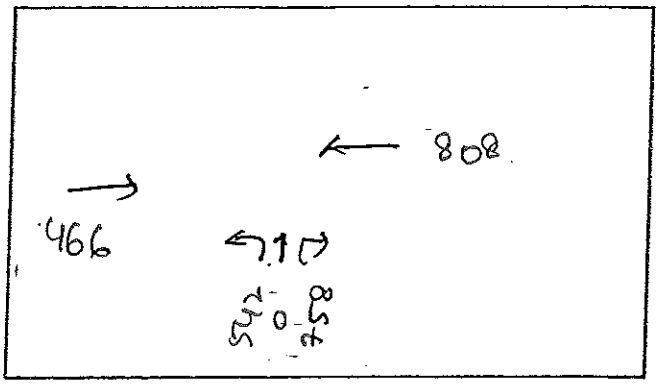
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

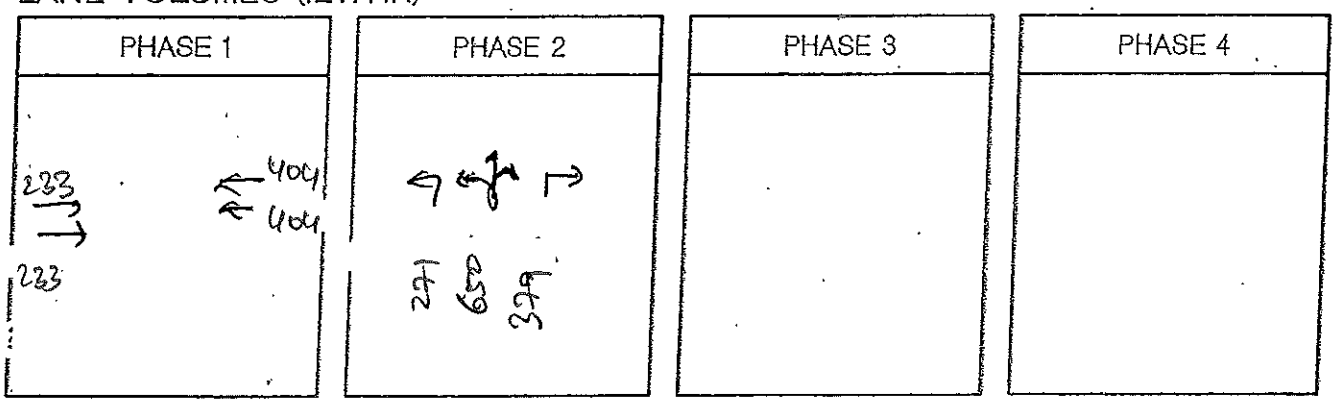
TIME EX. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
404	650		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1054

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

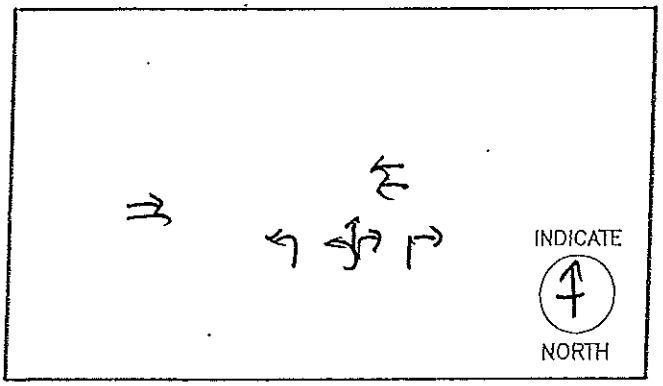
INTERSECTION I-5 NB Ramps / Via de la Valle

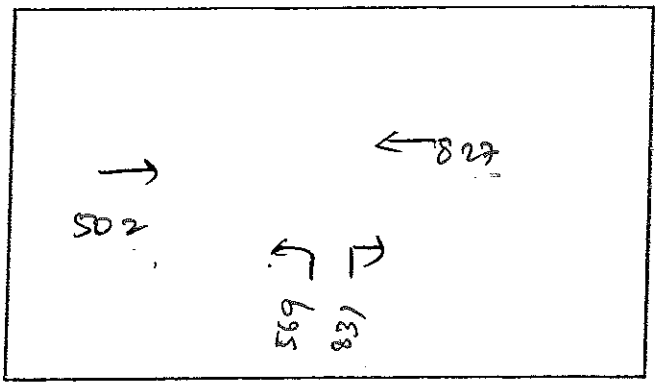
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

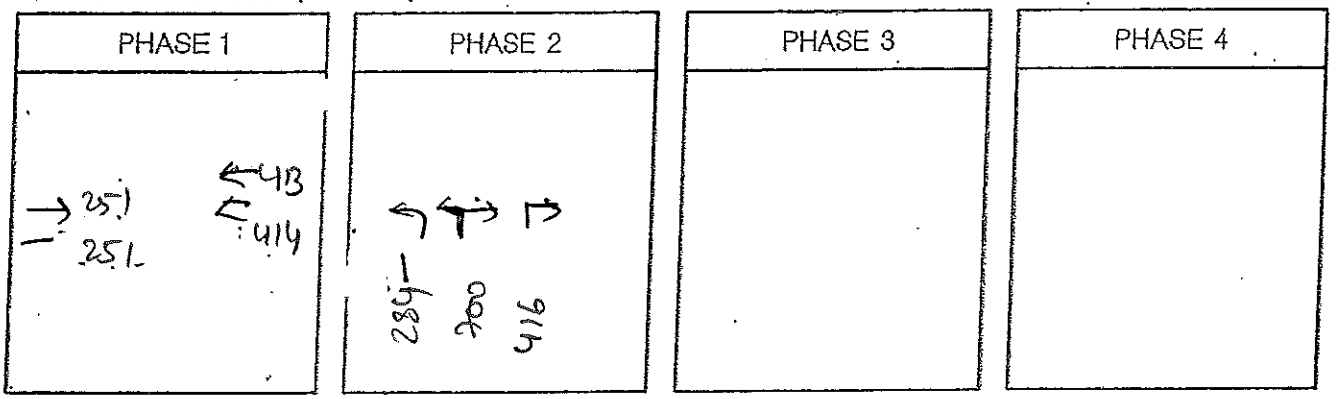
TIME Ex. PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
414.	700		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1114

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

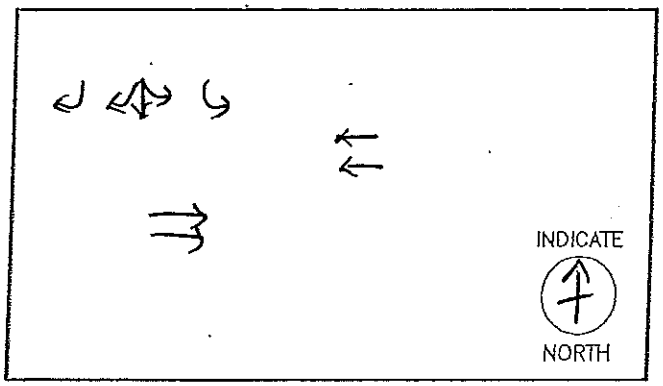
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

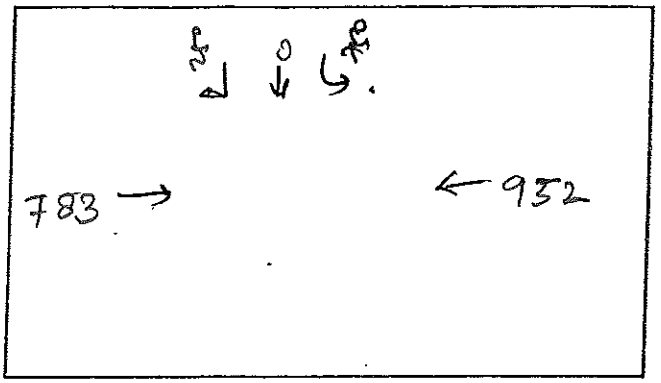
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

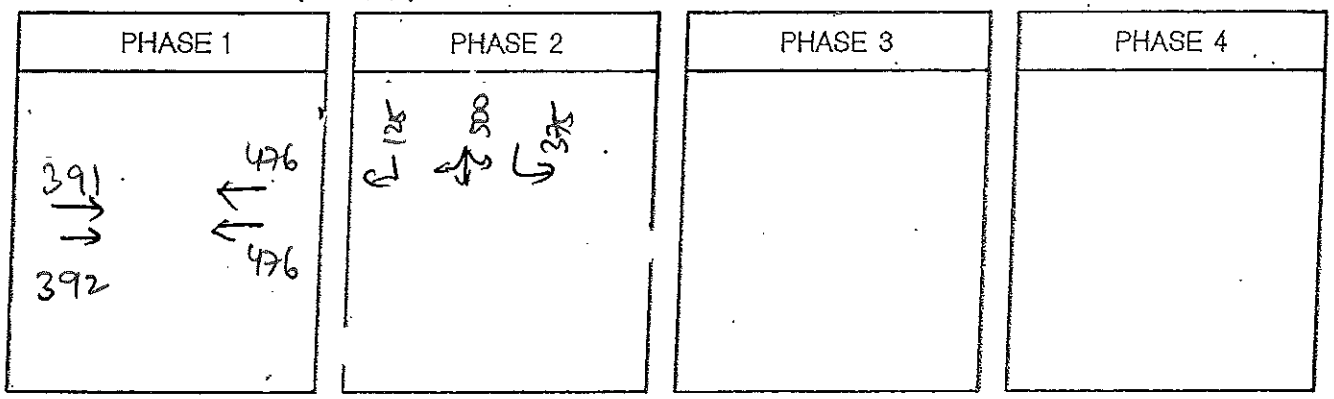
TIME: EX. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
476	500		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
976

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS:

Under Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

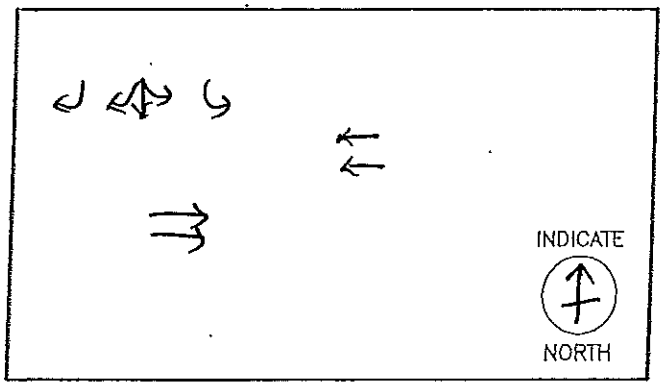
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

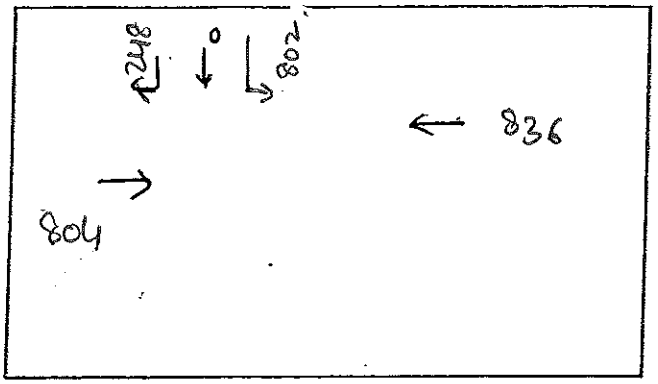
DIST. CO. RTE. P.M. 11 / SD-5

BY VS DATE

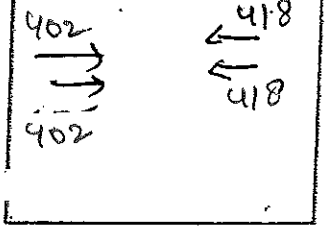
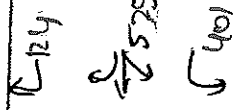
TIME Ex. AM/PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
418	525		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
943

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

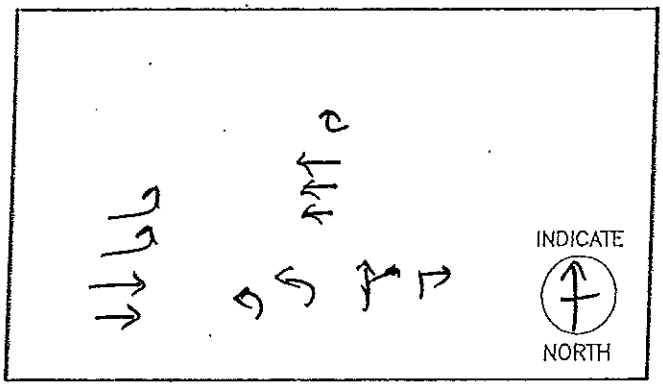
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

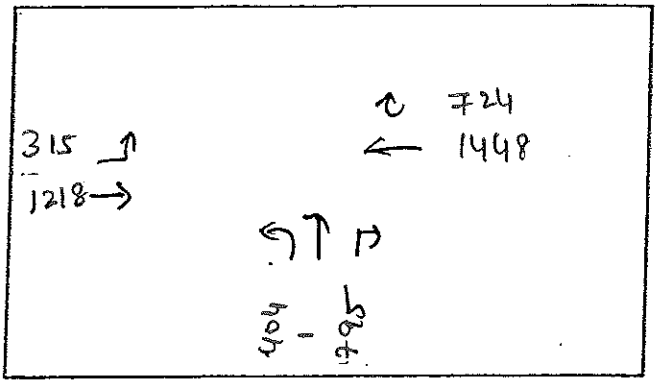
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME EX. / AM / PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
82 202 399 397	157 158 158 158	724 482 483 483 451 451	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
399	158	724	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1281

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

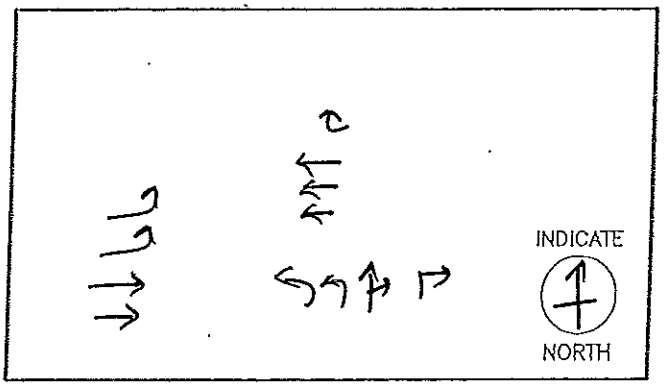
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

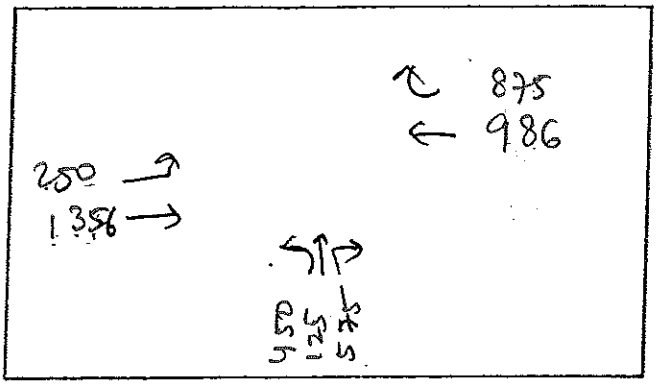
DIST. CO. RTE P.M. 11/I-5

BY VS DATE

TIME Ex. AM/PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
225 225 412 288	125 125 125 125	875 328 329 329 553 553	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
412	125	875	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1412

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

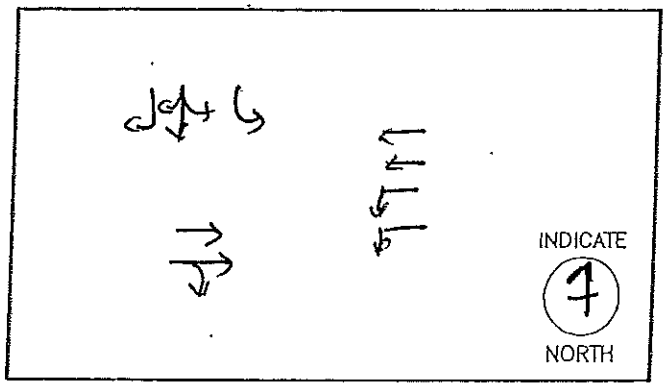
INTERSECTION I-5 SB Ramps / Carmel Valley / Rocal

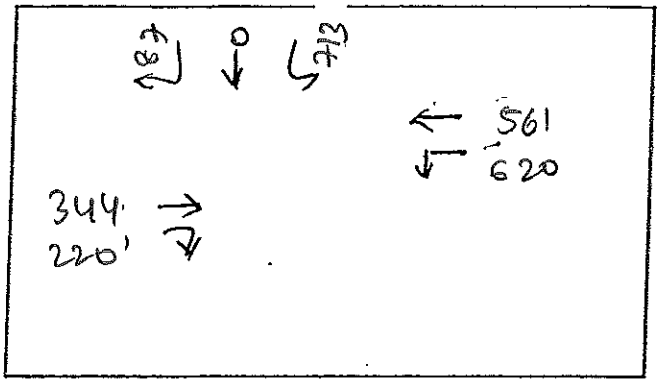
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

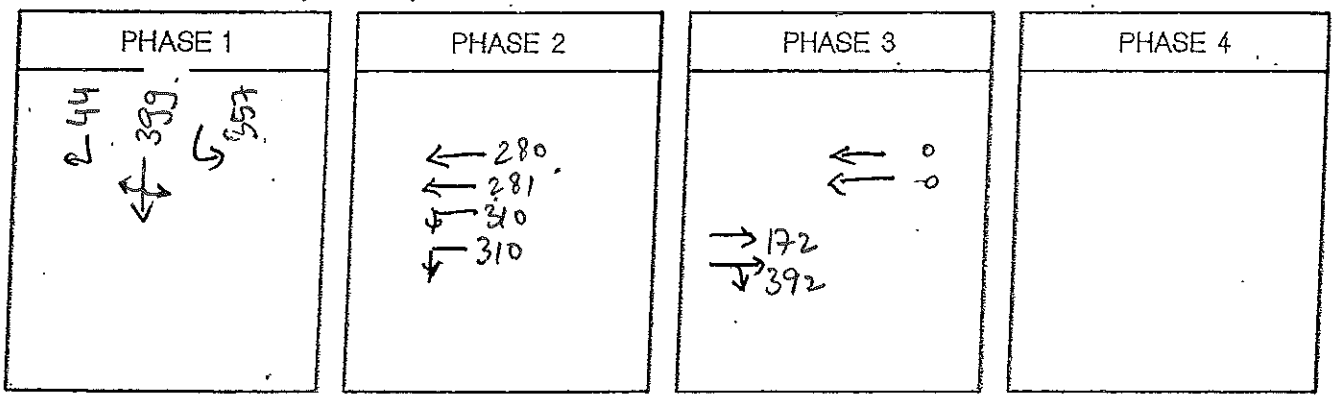
TIME : Ex. AM/PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
399	310	392	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1101

IS . . . X < 1200 ILV/HR.

O > 1200 BUT < 1500 ILV/HR.

O > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

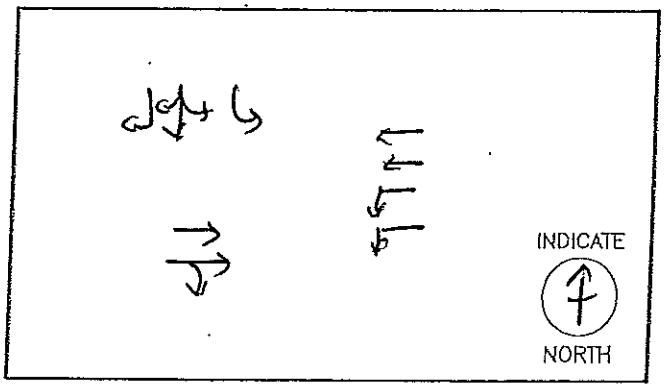
INTERSECTION I-5 SB Ramps / Carmel Valley / Rocal

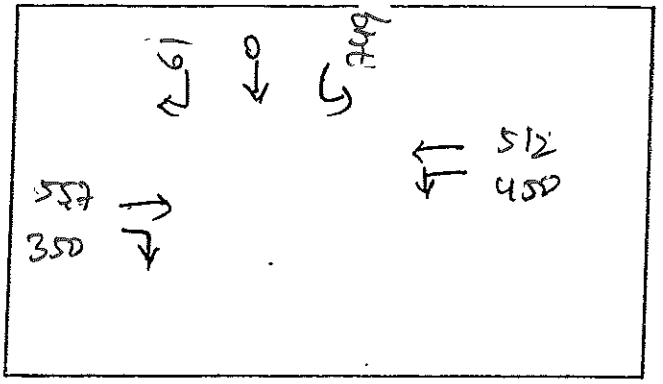
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

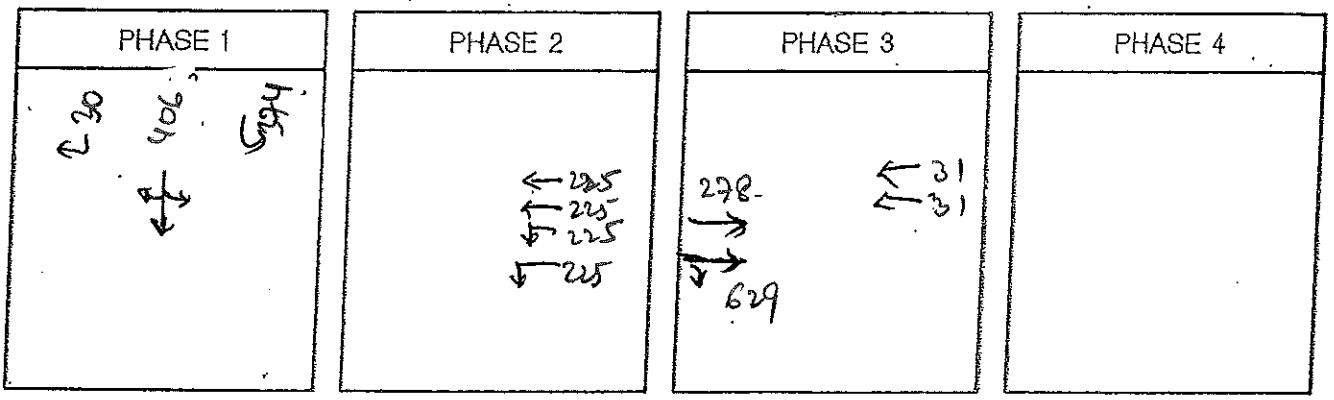
TIME EX. AM / PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
406	225	629	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1260

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

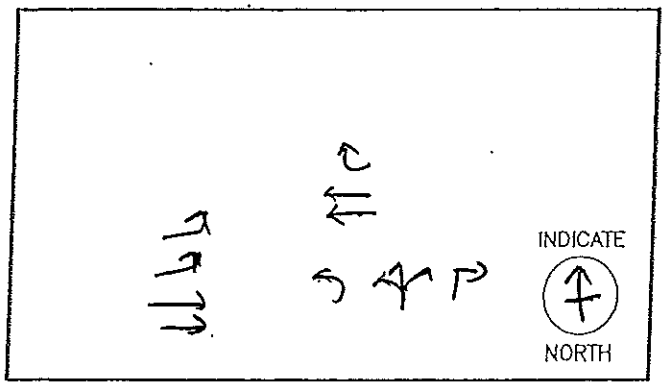
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

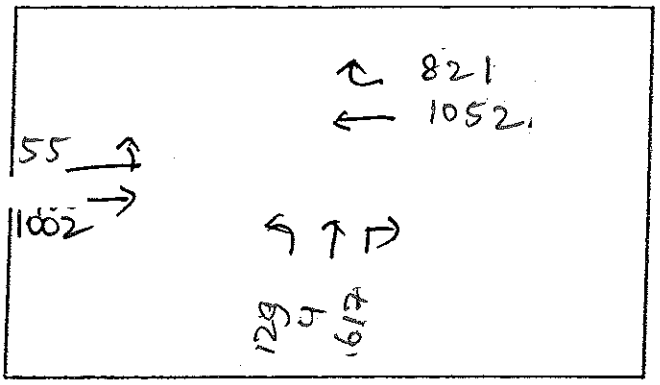
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME EX. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
27 28 28 28	473 473 526 526 526	295 64 377 309	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
28	526	377	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
931

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

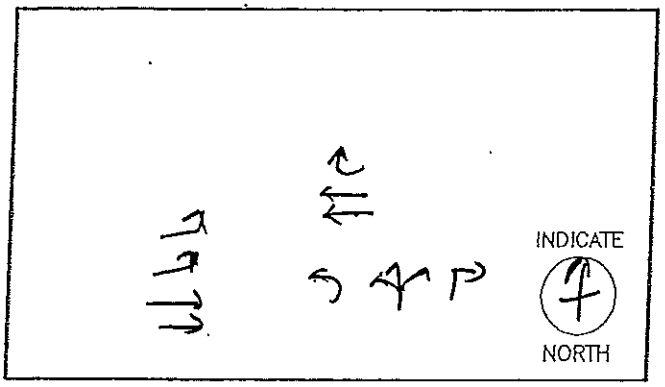
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

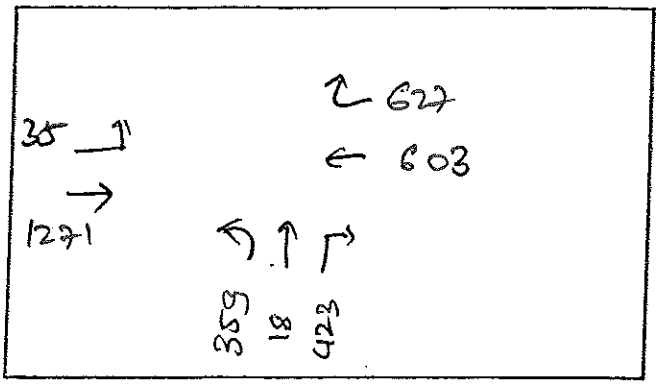
DIST. CO. RTE. P.M. 11 / I-5

BY VLS DATE

TIME EX · AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
17 18 18 18	618 302 301 617 618	9 180 408 212	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
18	618	408	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1044

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

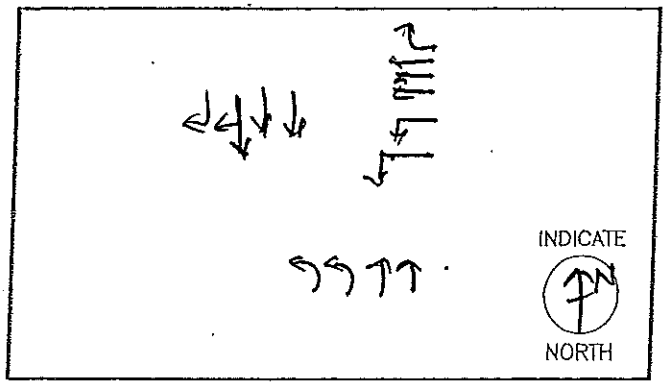
INTERSECTION SR 56 WB Ramps / El Camino Road

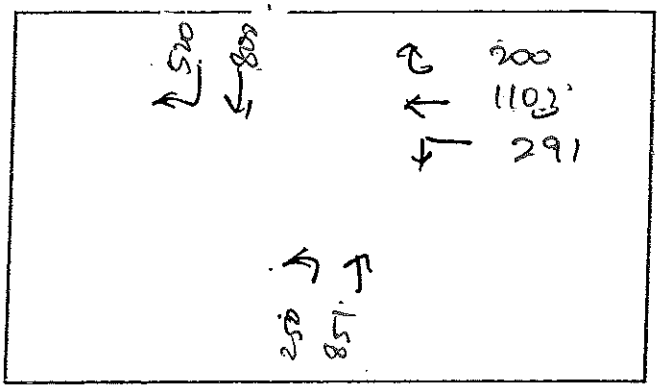
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

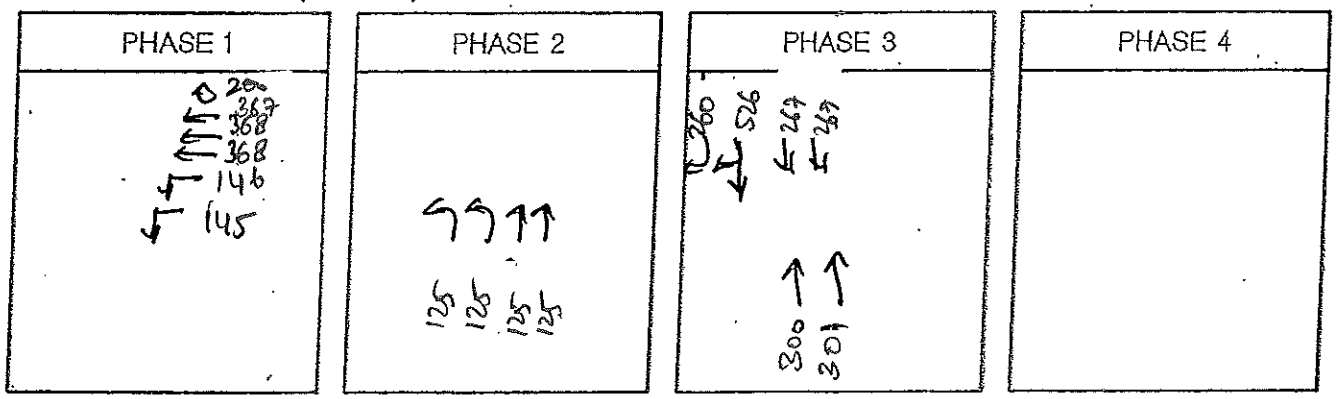
TIME Ex. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
368	125	526	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1019

IS . . .

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

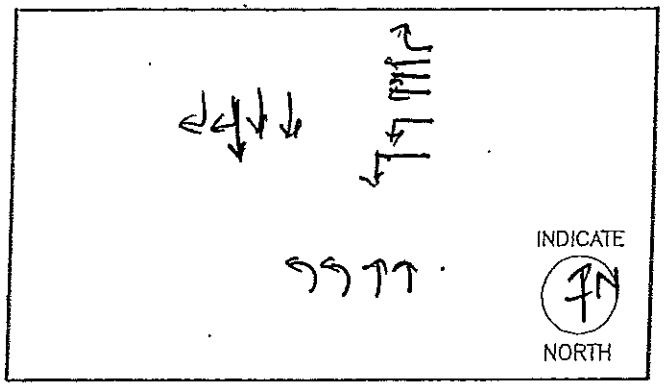
INTERSECTION SR56 WB Ramps / El Camino Road

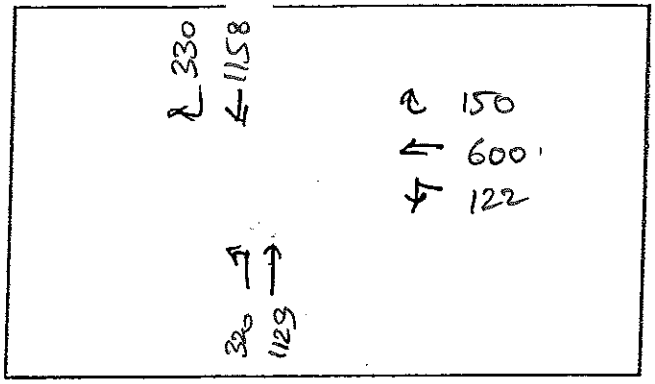
DIST. CO. RTE. P.M. 11 / SD SR56

BY VS DATE

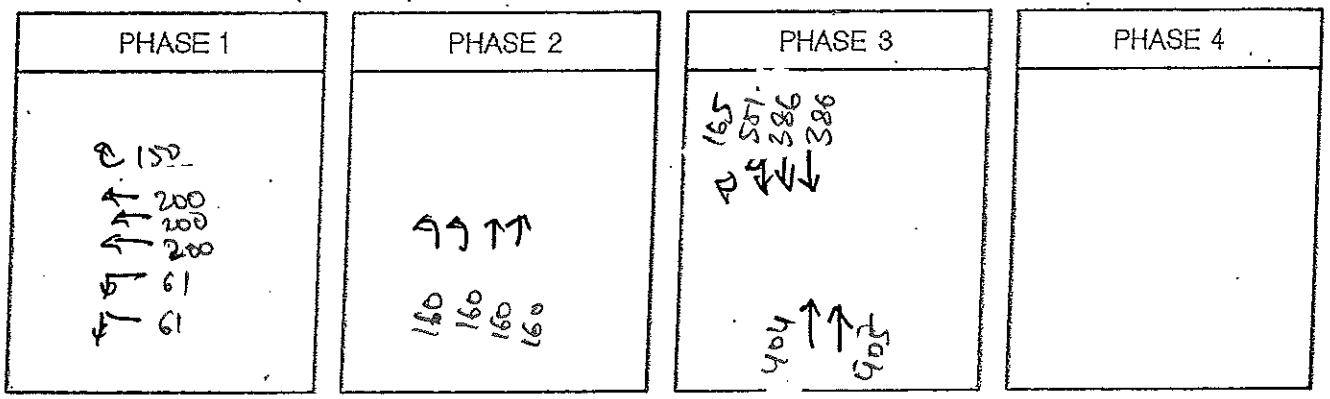
TIME Ex. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
200	160	551	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
911

IS . . .

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

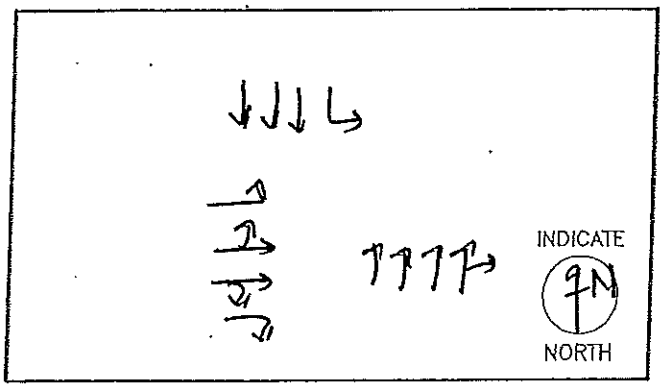
INTERSECTION SR 56 EB Ramps / El Camino Real

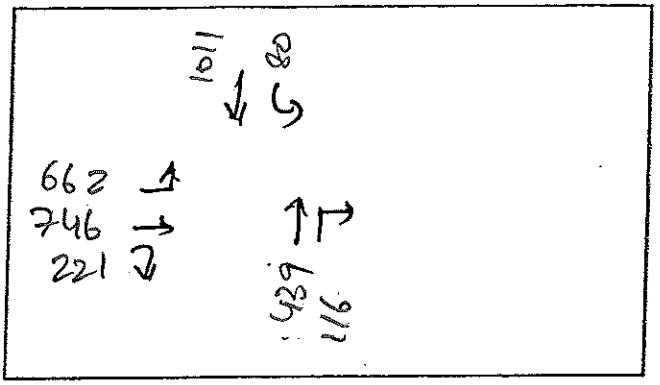
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

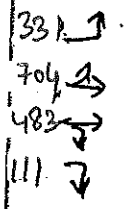
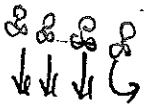
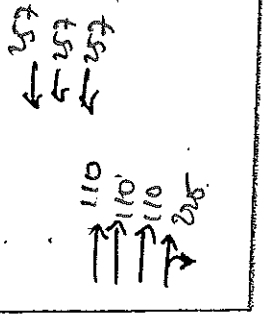
TIME EX. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
704	80	257	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1041

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

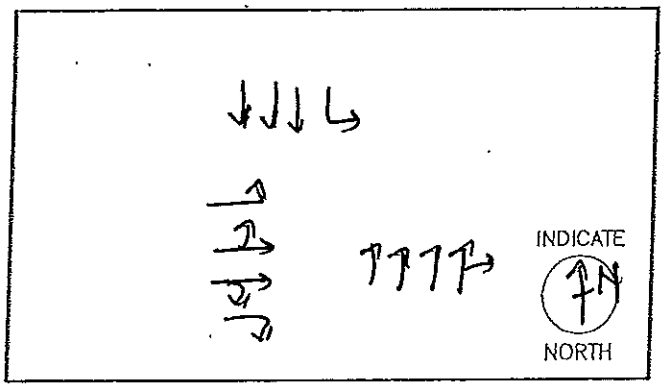
INTERSECTION SR 56 EB Ramps / El Camino Real

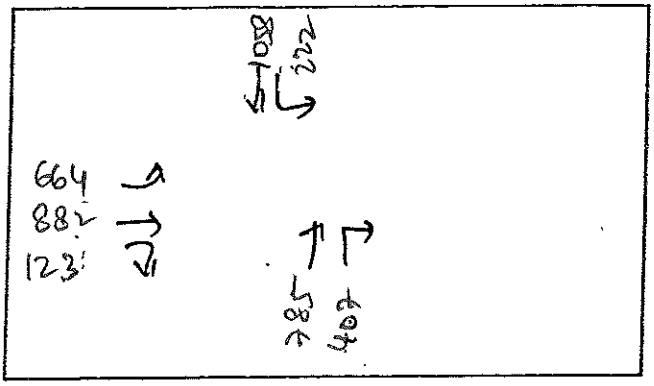
DIST. CO. RTE. P.M. 11 / SR56

BY VG DATE

TIME EX. AM/PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
332 773 503 61	222 222 222 222	130 131 131 196 196 196 604	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
773	222	604	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1599

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- [X] > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

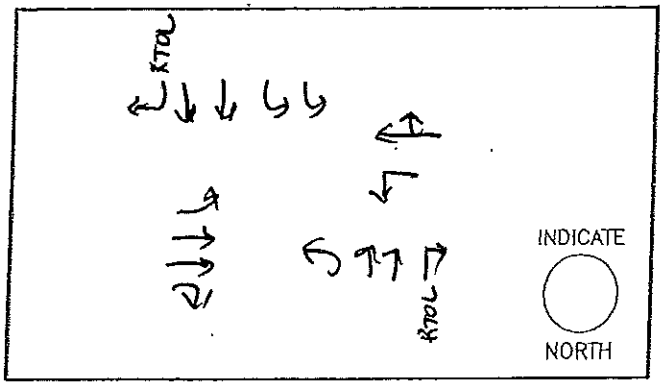
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

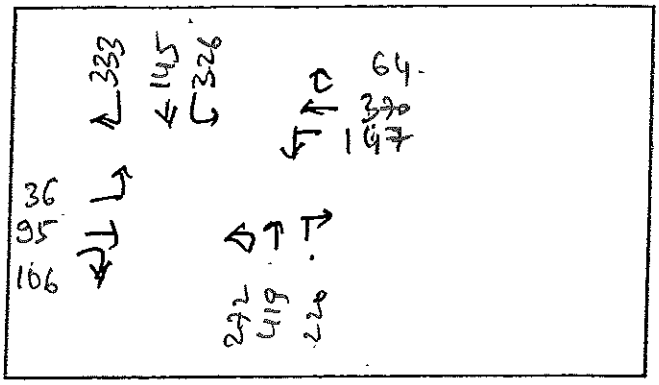
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

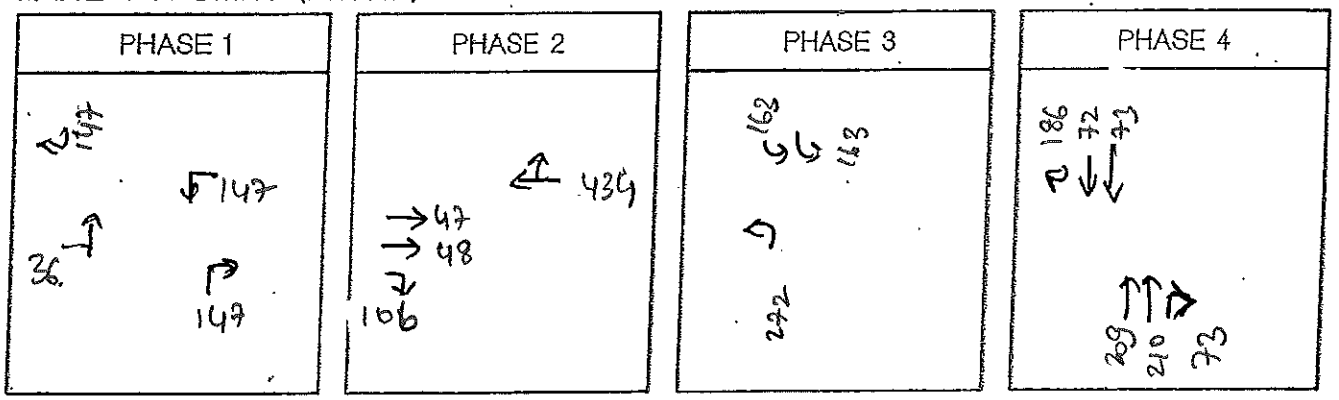
TIME EX - AM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
147	434	272	210

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1063

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

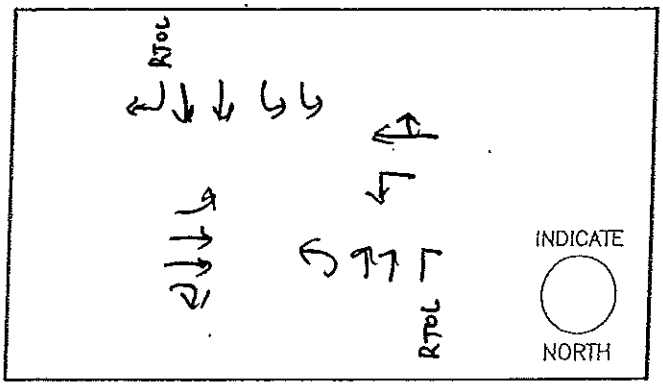
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

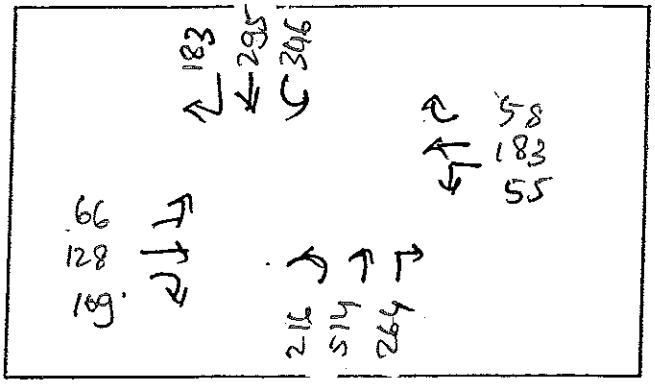
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

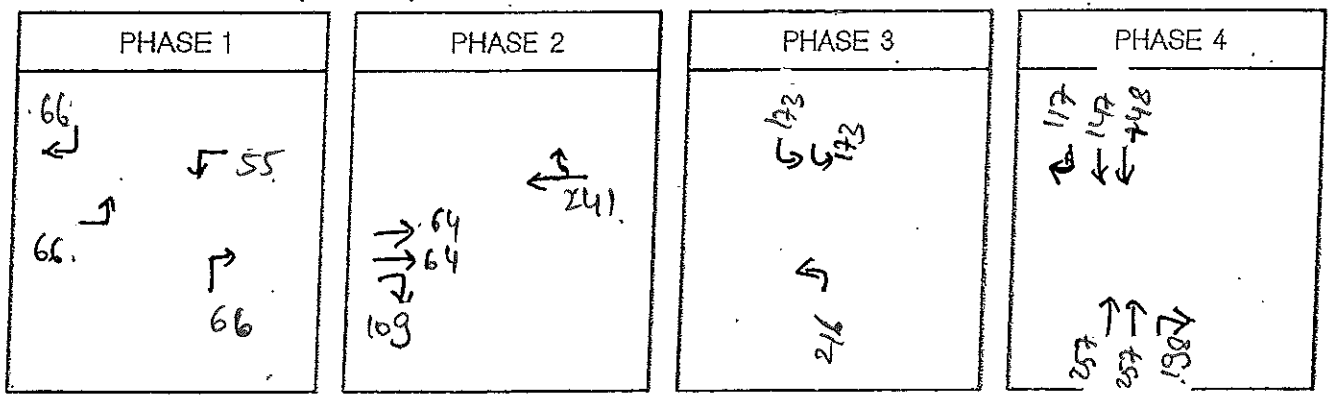
TIME EX. PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
66	241	216	257

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
780

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

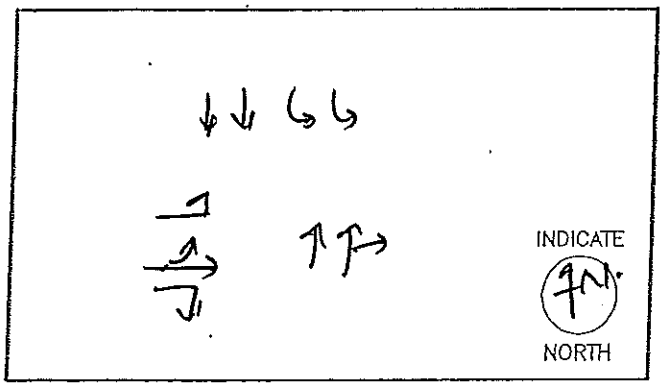
INTERSECTION SR 56 Ramps / Carmel Creek Road.

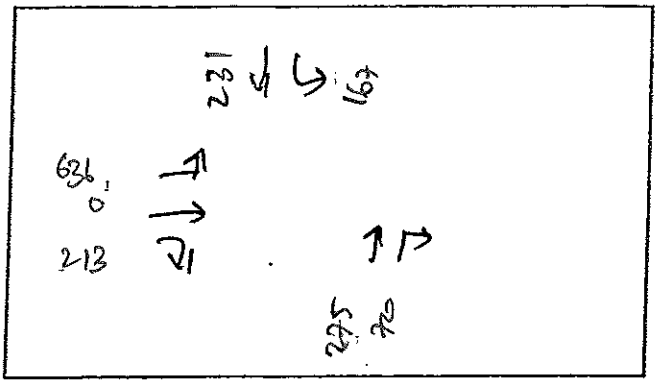
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME EX. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
318 ↑ 425 → 106 ↴	84 ↓ 84 ↓ 83 ↳ 84 ↳	32 ↓ 31 ↓ ↑ ↱ 138 207	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	84	207	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
716

IS . . .

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

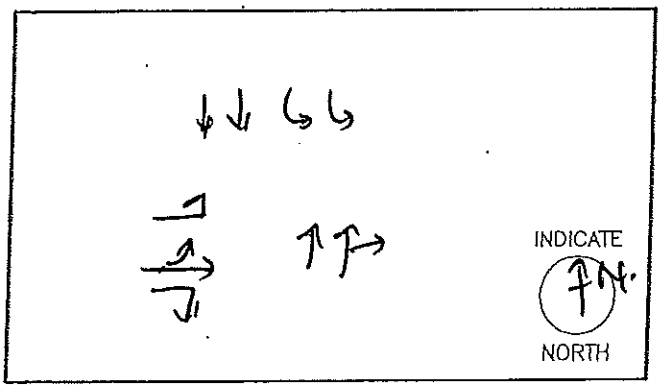
INTERSECTION SR EB Ramps / Carmel Creek Road.

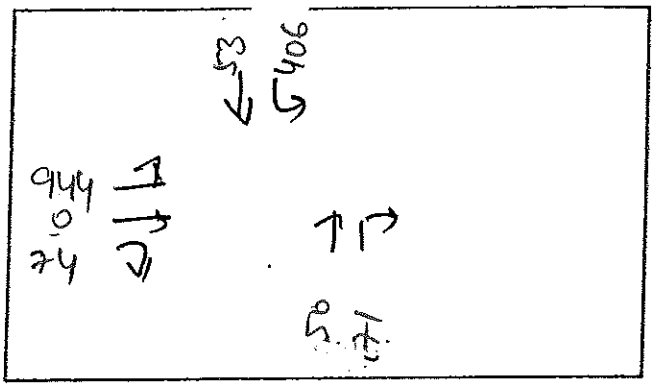
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME EX. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
472 509 37	26 27 203 203	25 96	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
509	203	96	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
808

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

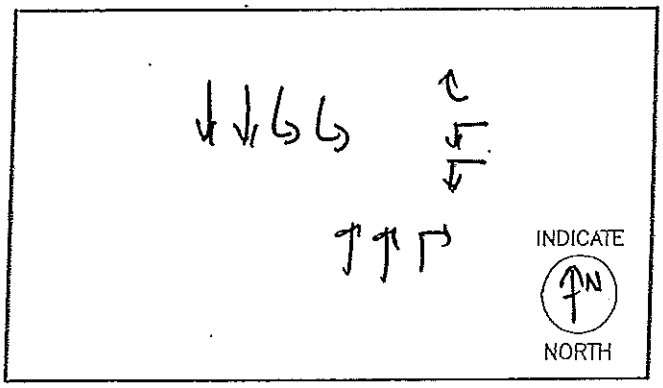
INTERSECTION Carmel Country Road / SR56 WB Ramps

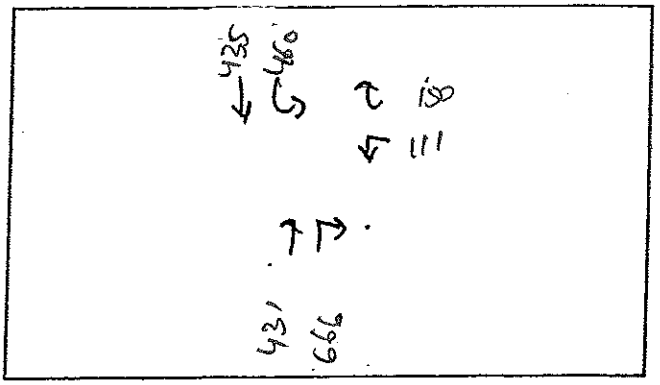
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME EX ☐ AM ☐ PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
150 56 55	218 219 236 230	215 216 666	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
150	230	666	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1046

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

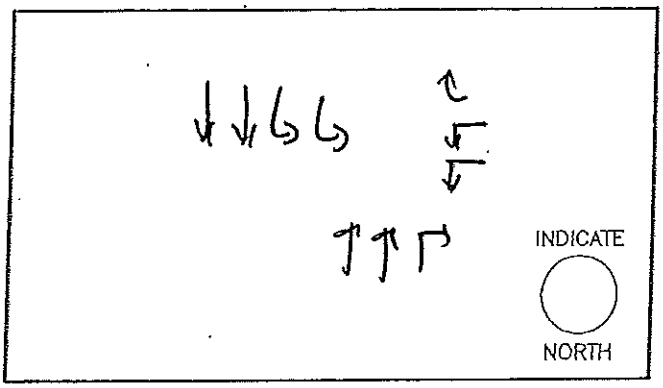
INTERSECTION Carmel Country Road / SR56 WB Ramps

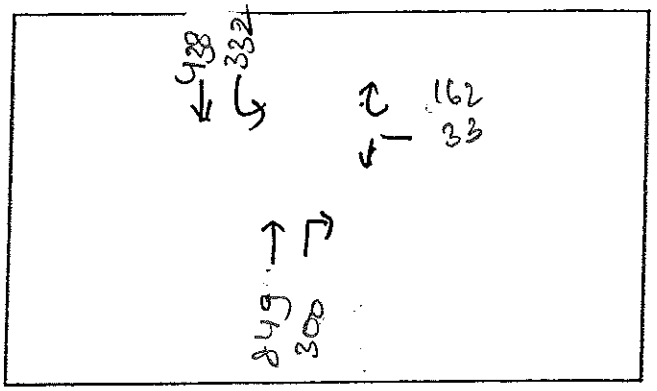
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

TIME Ex. AM (PM)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
162 17 16	166 166 166 166	53 53 425 424 300	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
162	166	425	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
753

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

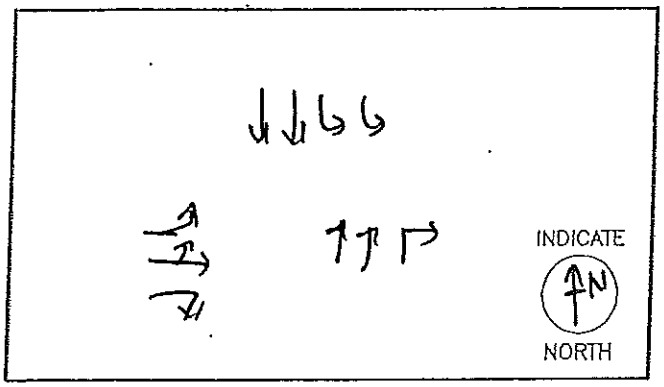
INTERSECTION SR56 EB Ramps / Carmel Country Road

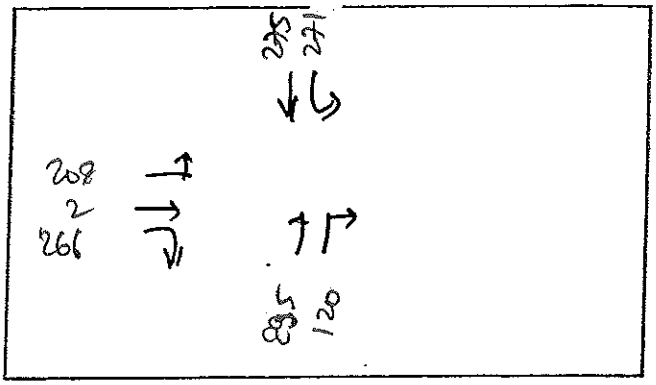
DIST. CO. RTE. P.M. 11/SR56

BY US DATE

TIME Ex. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
104 106 266	138 137 135 136	447 448 120	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
266	138	448	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
852

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

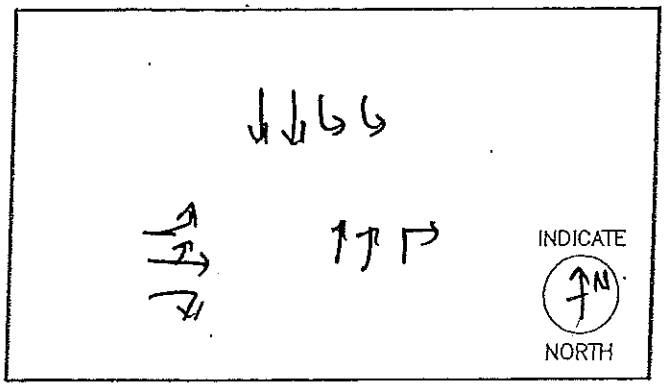
INTERSECTION SR56 EB Ramps / Carmel Country Road

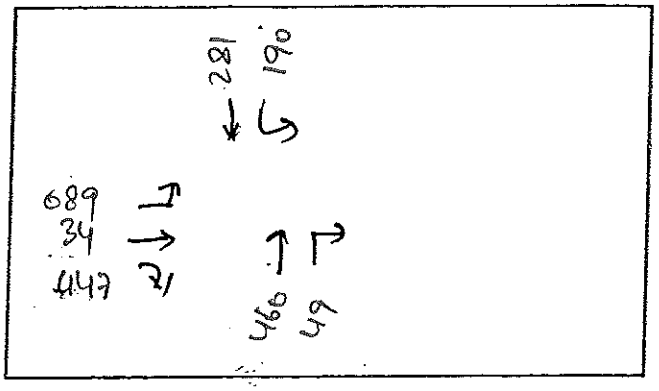
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME Ex. AM/PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
345 ↑ 378 ↗ 447 ↓	95 95 95 95 ↓ ↓ ↳ ↳	45 46 ↓ ↓ ↑ ↑ ↱ 230 230 49	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
447	95	230	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
772.

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

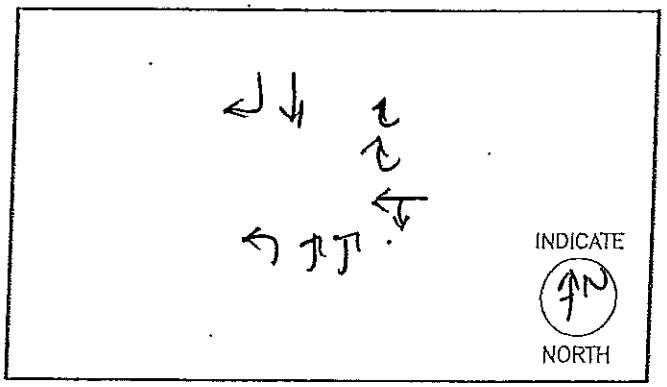
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

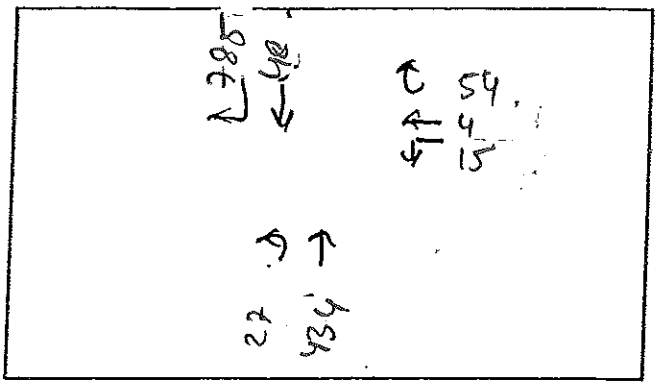
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME EX. AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
27 29 19	27 29	785 48 196 190	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
29	29	785	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
839

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

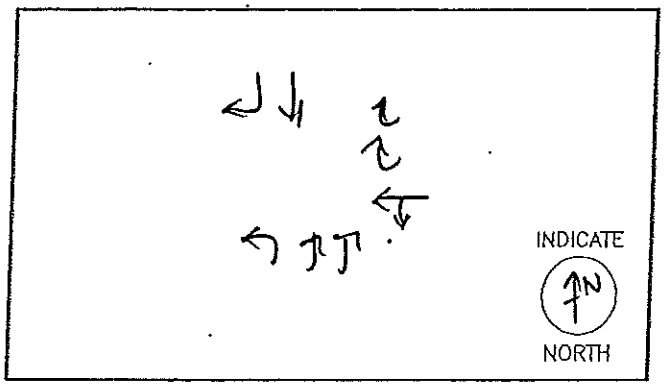
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

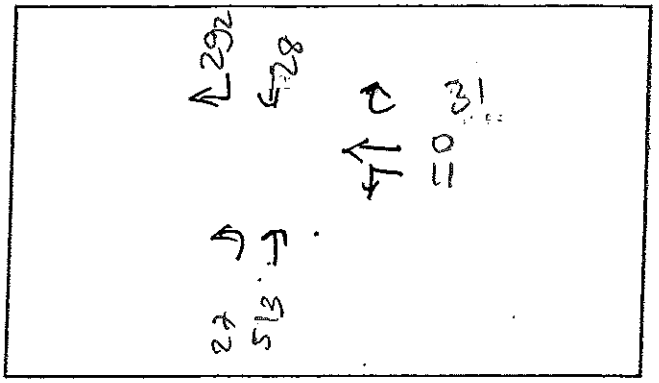
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME Ex. _ AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
15 16 11	27 27 27	292 230 229	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
16	27	292	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
335

IS . . .

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

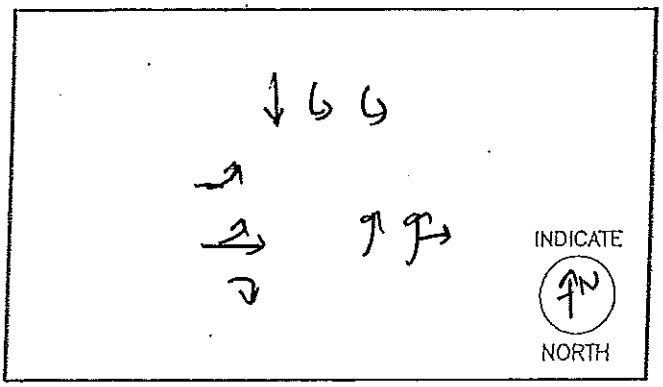
INTERSECTION SR 51 EB Ramps / Carmel Valley Road

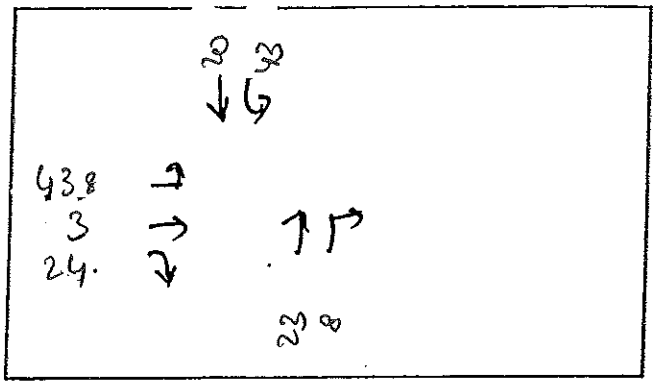
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME EX: AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
219 222 24	20 22 21	20	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
222	22	20	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
264

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

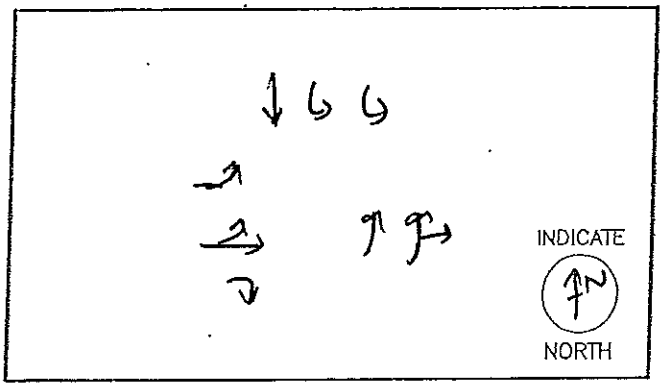
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

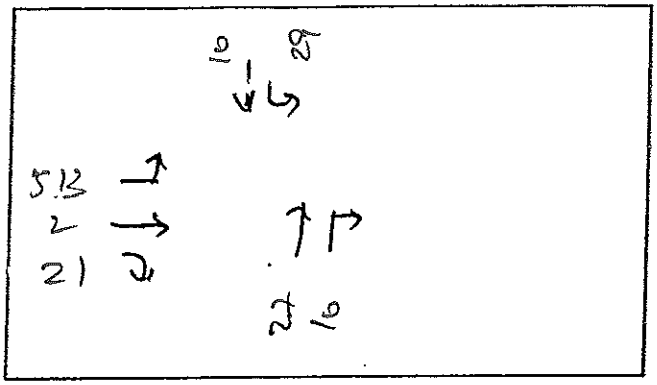
DIST. CO. RTE. P.M. 11/SR 56

BY US DATE

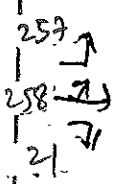
TIME EX. AM/PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
258	15	23	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
296

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

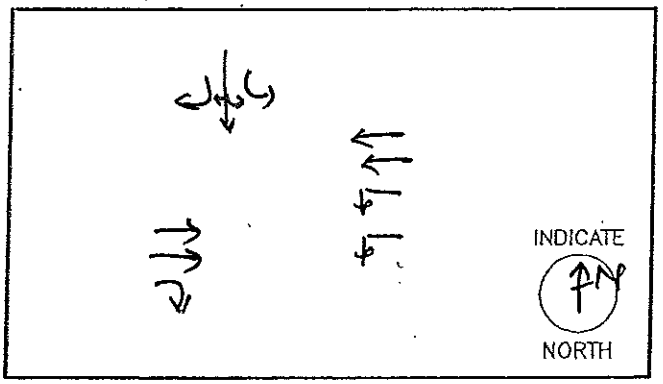
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

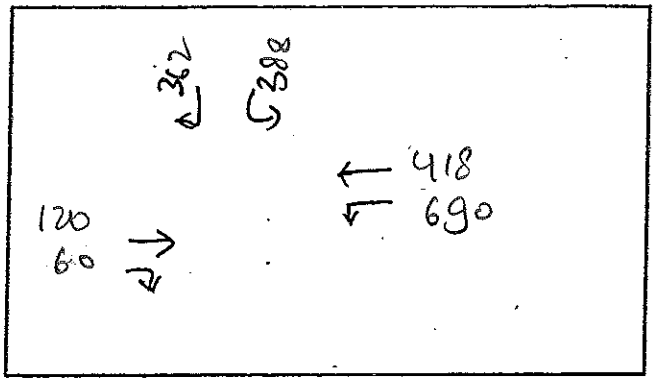
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME Ex. [AM] PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
181 375 194	209 209 60 60 60	345 345	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
375	209	345	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
929

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

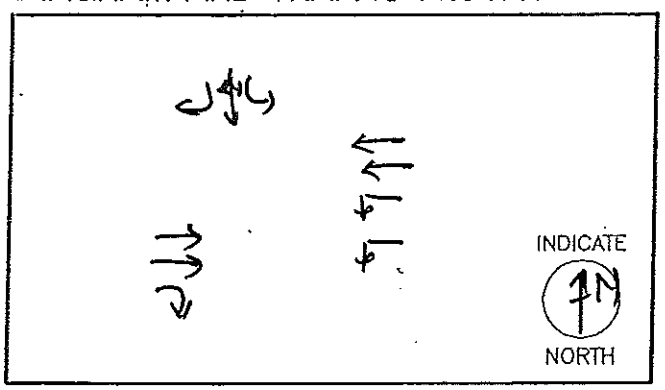
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

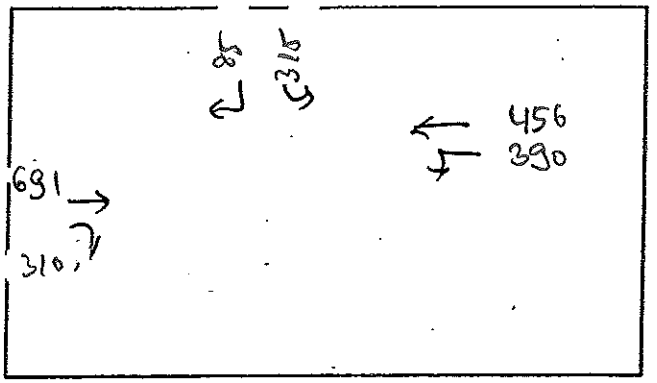
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME Ex. PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
42 80 158	228 345 228 346 310	195 195	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
200	346	195	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
741

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

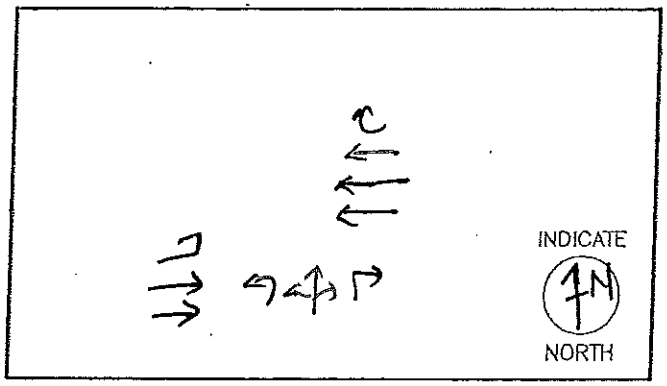
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

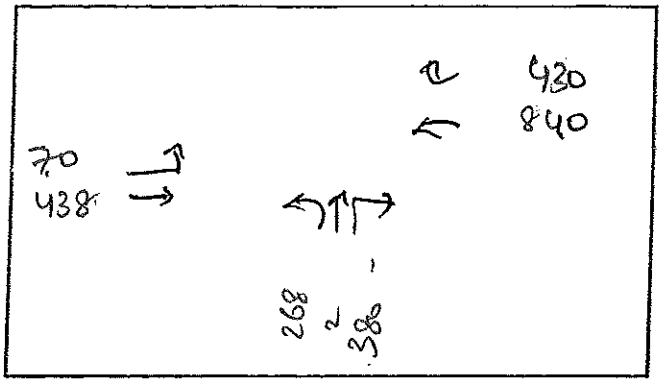
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME : EX. / AM PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
134 326 190	70 70 70	430 280 280 280 149 149	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
326	70	430	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
826

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

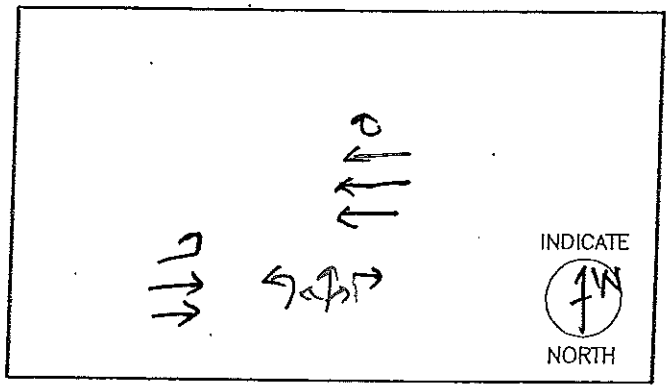
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

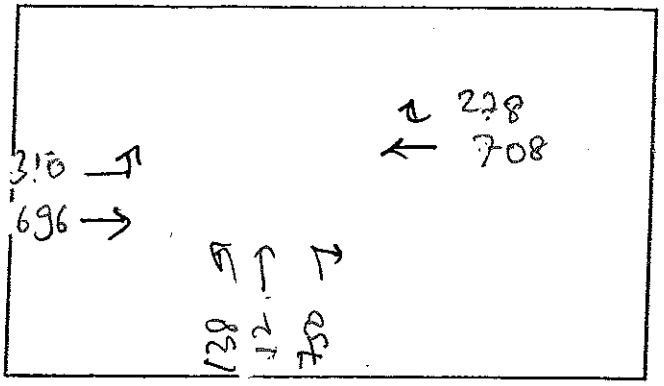
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME EX. AM/PM

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
69 456 278	310 310 310	278 236 236 38 38 236	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
456	310	278	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1044

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#1

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

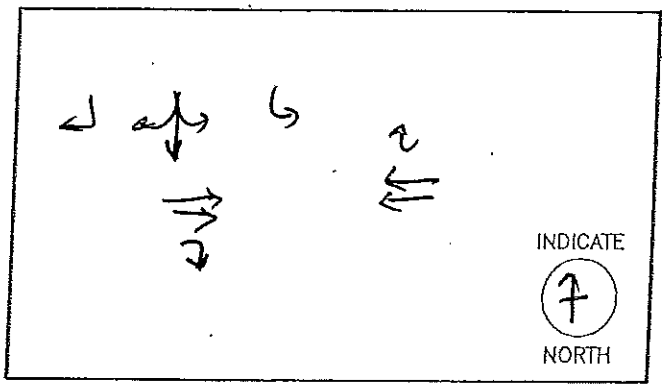
INTERSECTION I-5 SB Ramps / Via de la Valle.

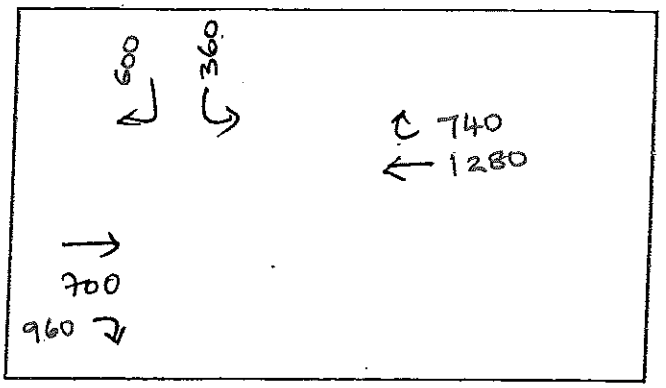
DIST. CO. RTE. P.M. 11 / I-5.

BY VS DATE

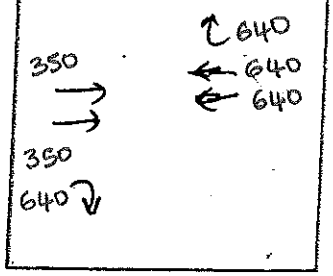
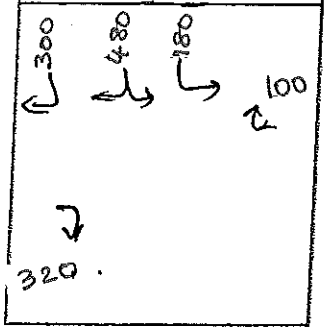
TIME 2015 [AM] PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
640	480		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1120

☑ : 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: UNDER

#1

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

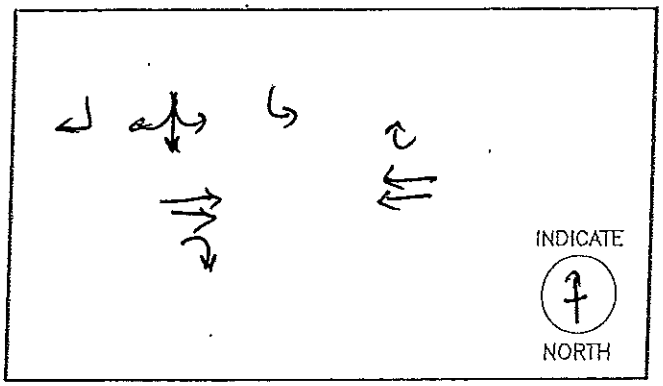
INTERSECTION I-5 SB Ramps / Via de la Valle.

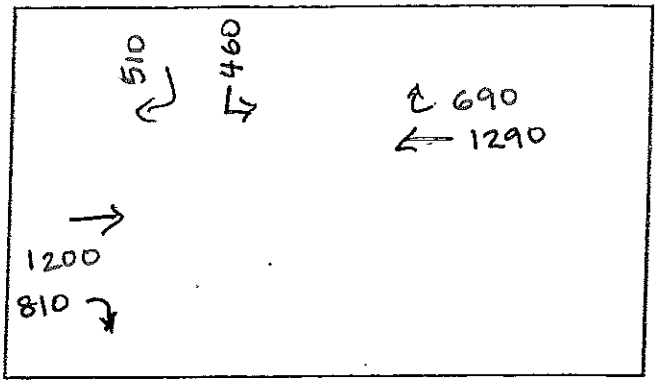
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

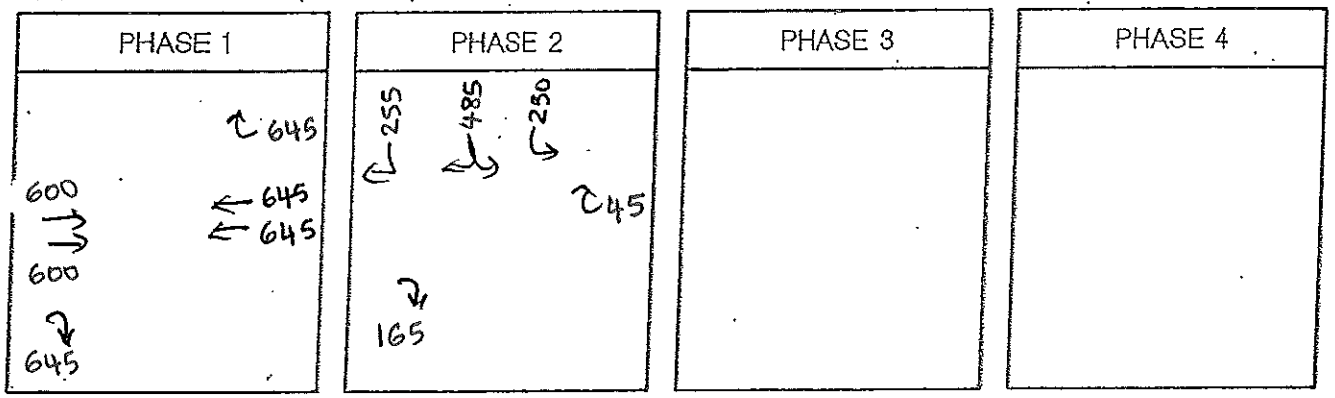
TIME 2015 AM [PM]. Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
645	485		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1130

IS . . .

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: UNDER Capacity.

#2

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

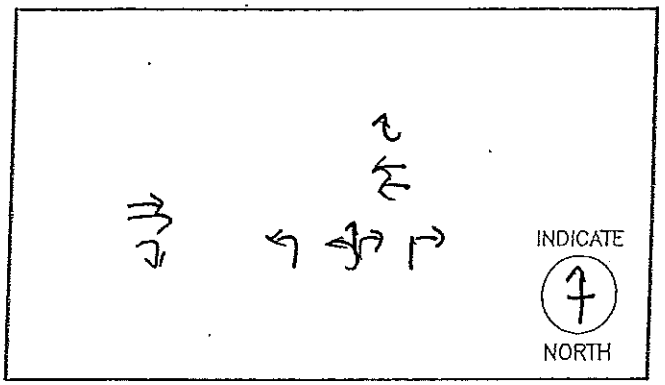
INTERSECTION I-5 NB Ramps / Via de la Valle

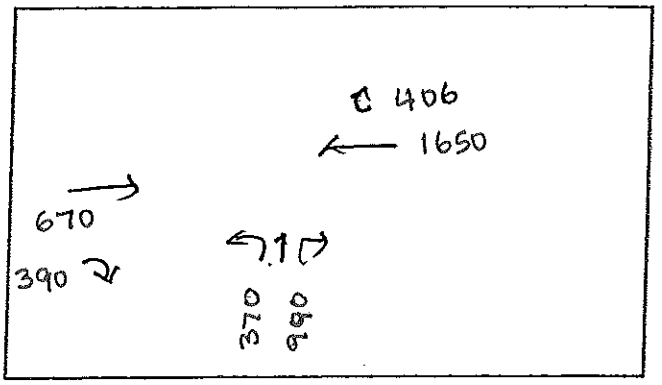
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

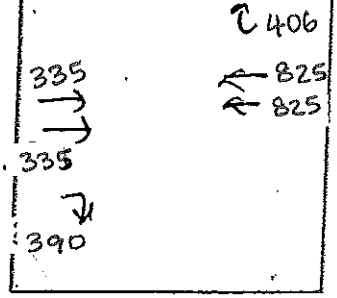
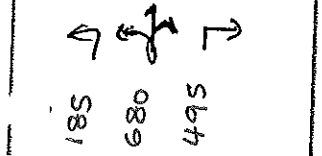
TIME 2015 AM PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
825	680		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1505

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

#2

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

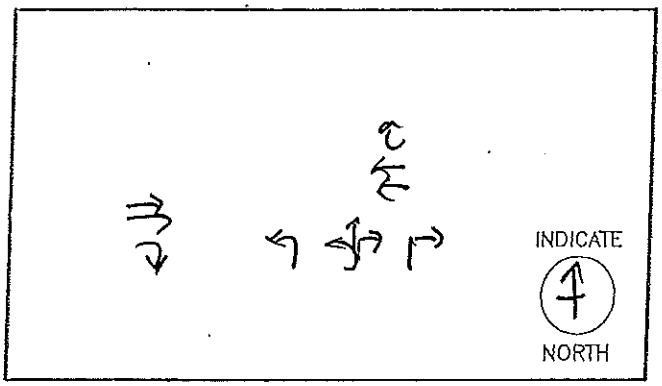
INTERSECTION I-5 NB Ramps / Via de la Valle

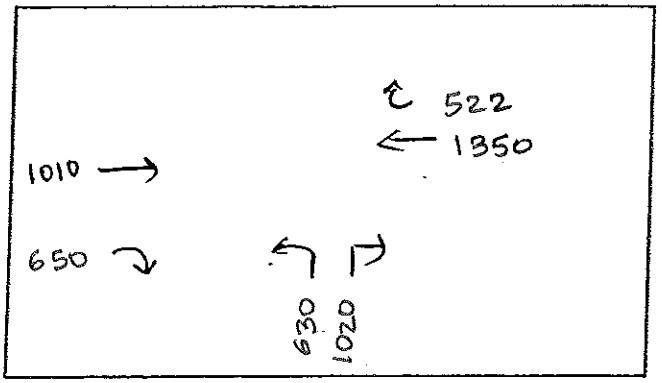
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 PM . Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
522 675 505 675 505 650	315 825 510		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
675	825		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1500

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

#8

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

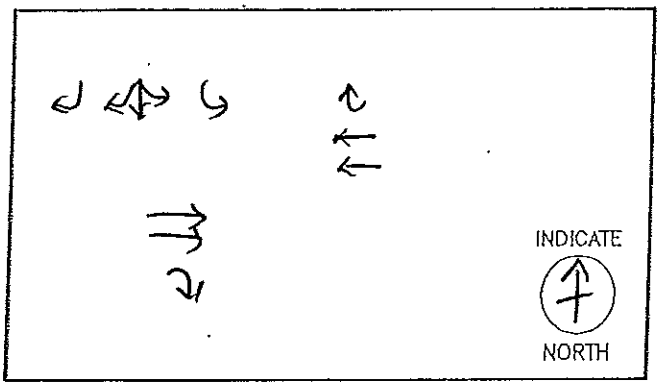
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

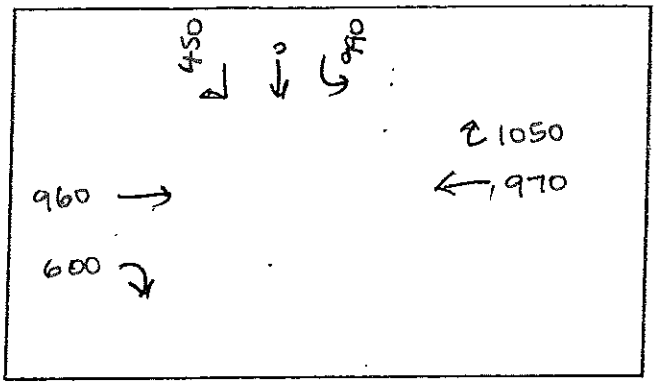
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

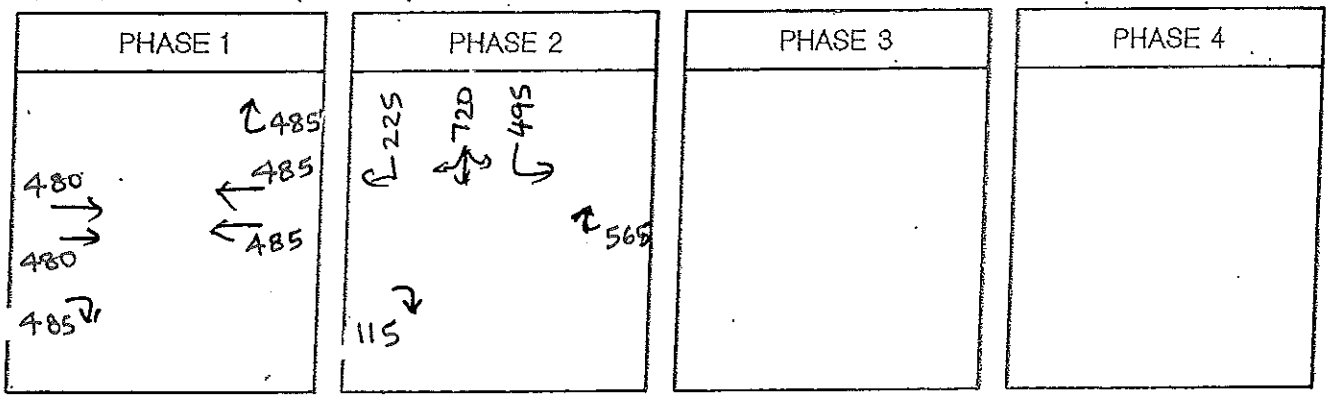
TIME 2015 AM PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
485	720		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1205

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Near Capacity.

#8

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

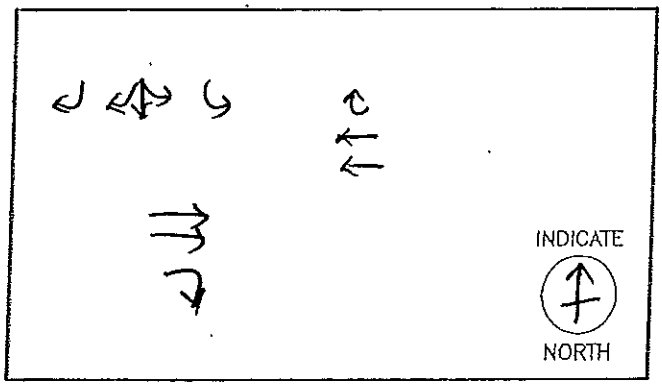
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

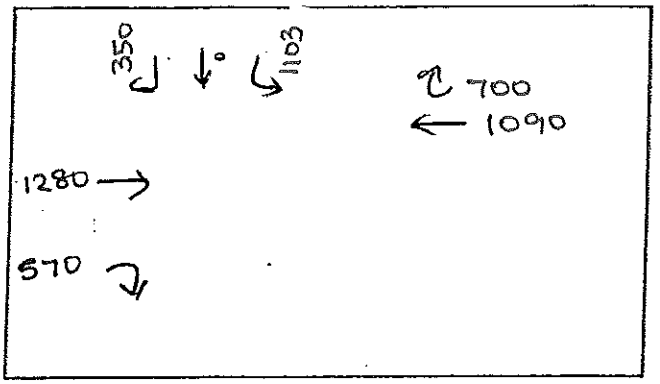
DIST. CO. RTE. P.M. 11 / SD-5

BY VS DATE

TIME 2015 AM/PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
640 545 640 545 640 570	175 727 551 60		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
640	727		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1367

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#9

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

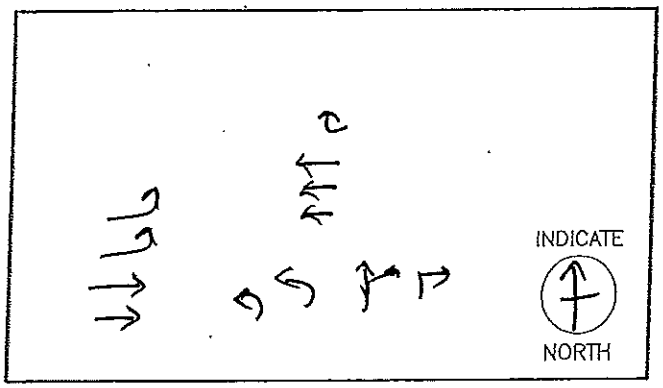
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

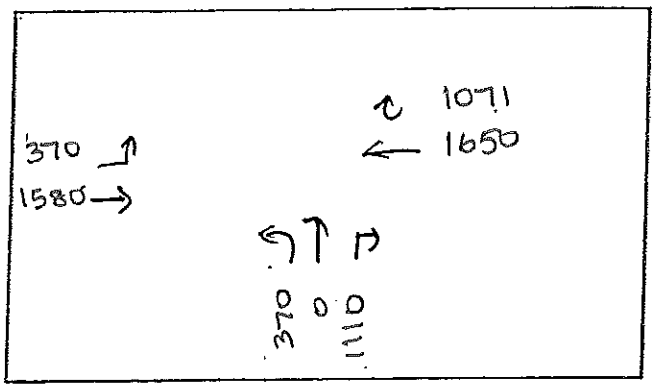
DIST. CO. RTE P.M. 11 / I-5

BY US DATE

TIME 2015 /AM/PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
185 185 555 555	185 185 185 185	1071 550 550 605 605 550	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
555	185	1071	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1811

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

#9

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

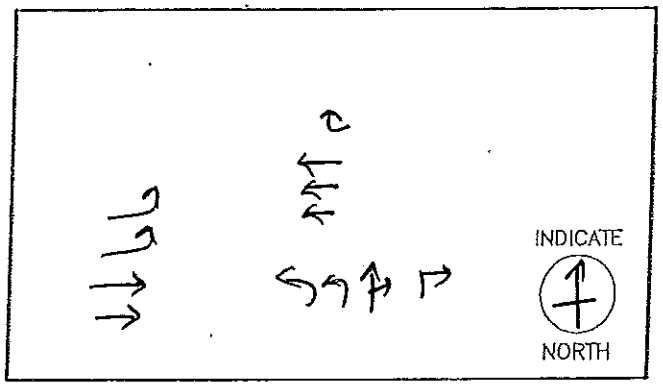
INTERSECTION I-5 NB Ramps / Del Mar Hts/ Road

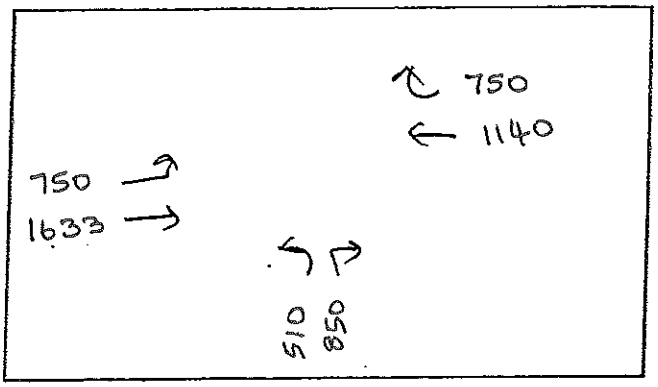
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM/PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
255 255 425 425	375 375 375 375	750 / 442 380 380 / 441 380 380	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	375	750	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1550

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

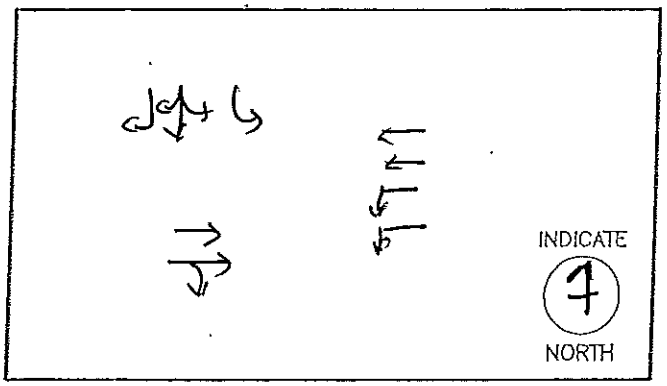
INTERSECTION I-5 SB Ramps / Carmel Valley Road

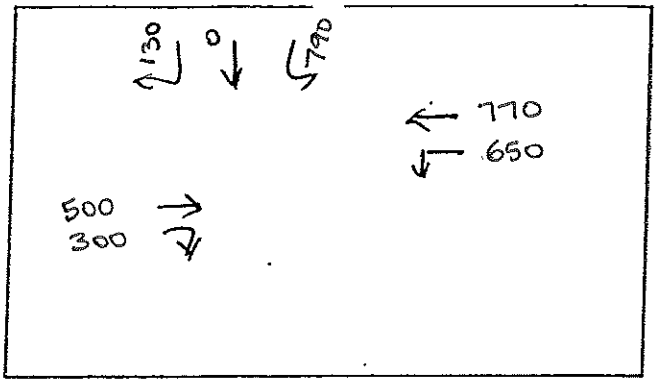
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
65, 460, 395	325, 325, 325, 325	60, 60, 250, 550	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
460	325	550	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1335

- ☐ < 1200 ILV/HR.
- ☑ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

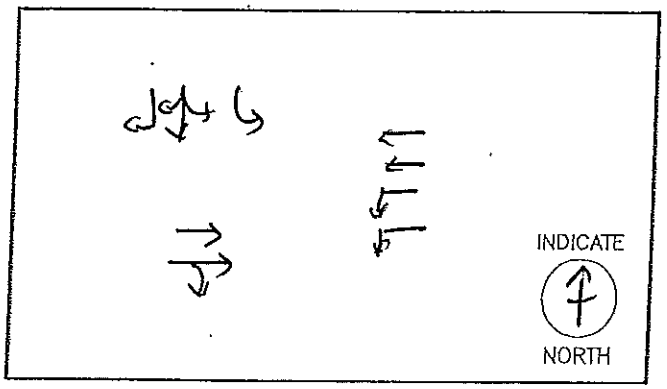
INTERSECTION I-5 SB Ramps / Carmel Valley Road

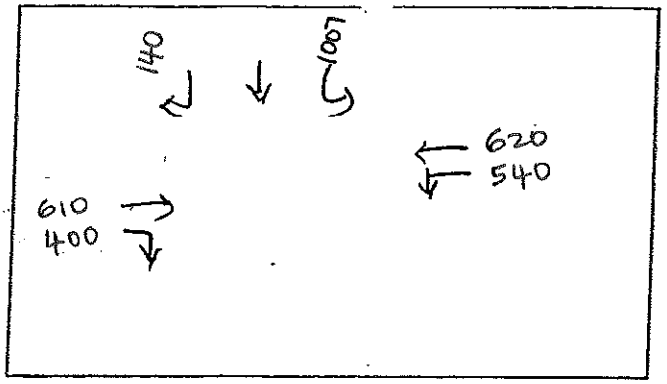
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM/PM Rum A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
70 ← 573 ↑ 504 →	270 ← 270 ↑ 270 ↑ 270 →	305 → 705 ↓	40 ← 40 ↑

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
573	270	705	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1548

IS . . .

- ☐ < 1200 ILV/HR.
- ▯ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

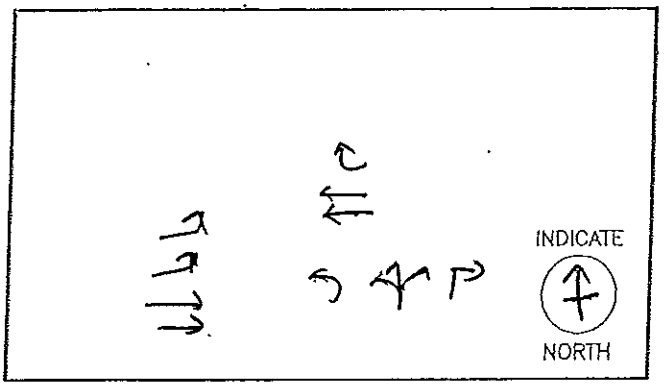
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

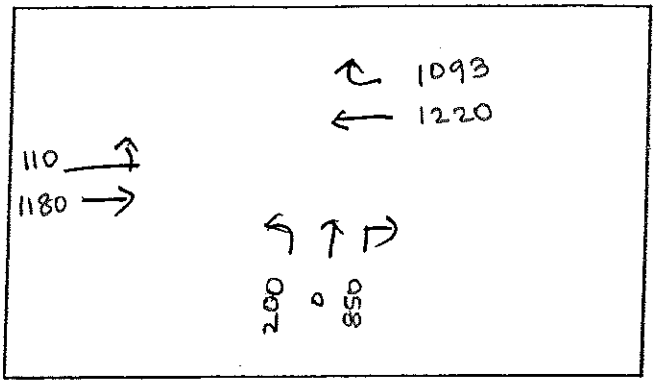
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55 ↑ 55 ↱ 55 → 55 →	535 → 535 → ↑ 610 ← 610 ← 610	↰ 483 100 525 425	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	610	525	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1190

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

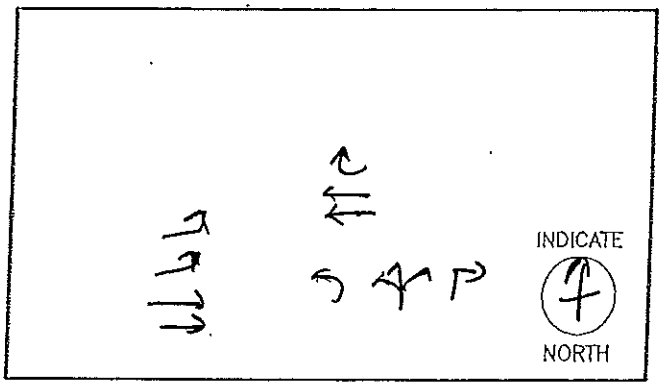
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

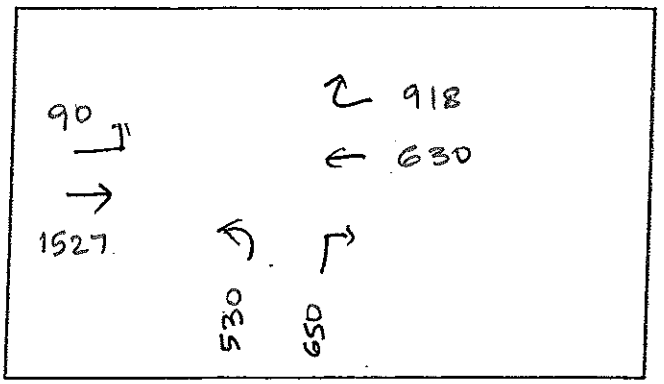
DIST. CO. RTE. P.M. 11 / I-5

BY VLS DATE

TIME 2015 AM/PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45 45 45 45	315 315 315 719 718	603 265 590 325	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45	719	603	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1367

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#28

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

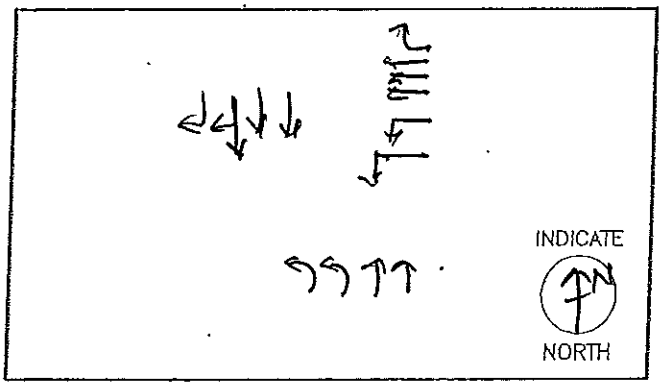
INTERSECTION SR 56 WB Ramps / El Camino Real

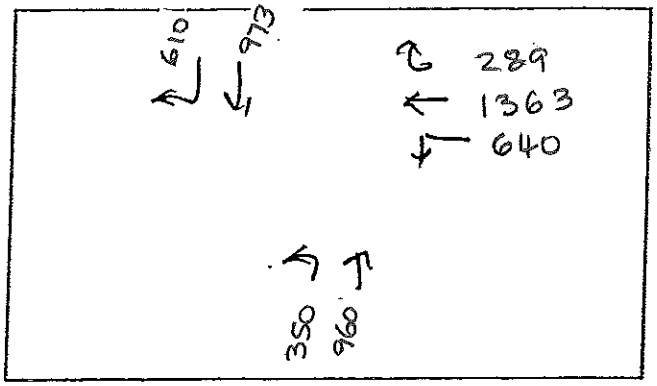
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

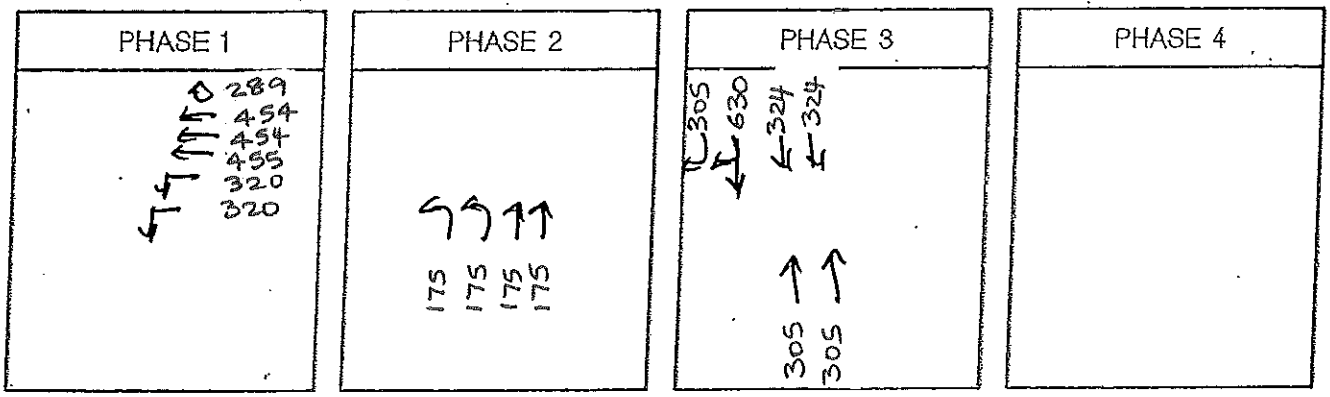
TIME 2015 / AM PM Rev. A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
454	175	630	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1259

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

#28

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

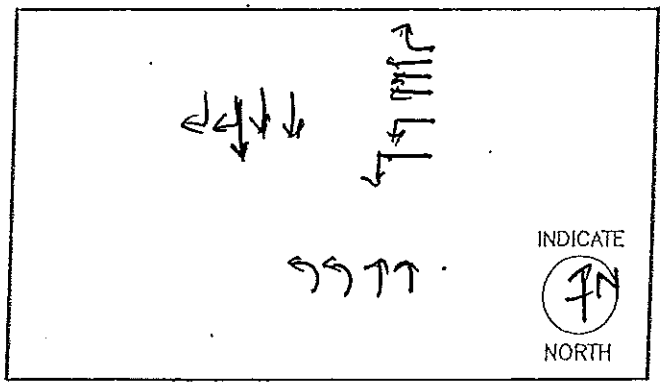
INTERSECTION SR56 WB Ramps / El Camino Road

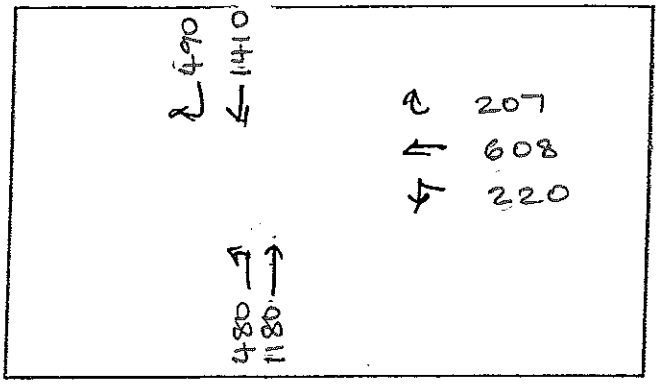
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 AM/PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
207 203 203 202 110 110	240 240 240 240	245 715 470 470 350 350	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
207	240	715	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1162

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

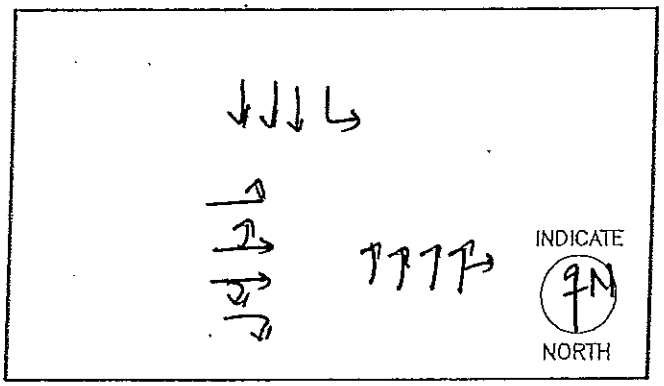
INTERSECTION SR 56 EB Ramps / El Camino Real

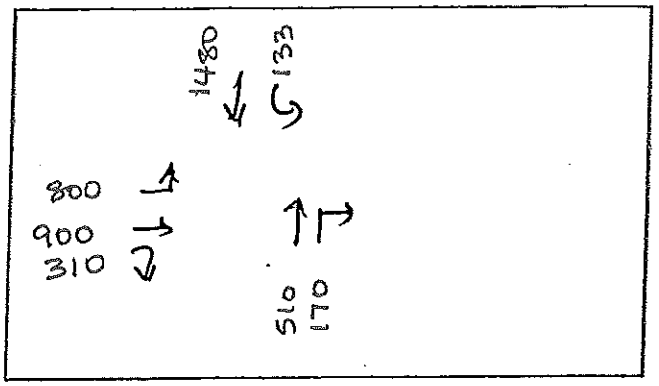
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 AM PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 ↑ 850 ↑ 605 → 155 ↓	133 ↓ 133 ↓ 133 ↓ 133 ↳	360 ↓ 360 ↓ 361 ↓ 127 ↑ 127 ↑ 128 ↑ 298 →	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
850	133	361	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1344

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

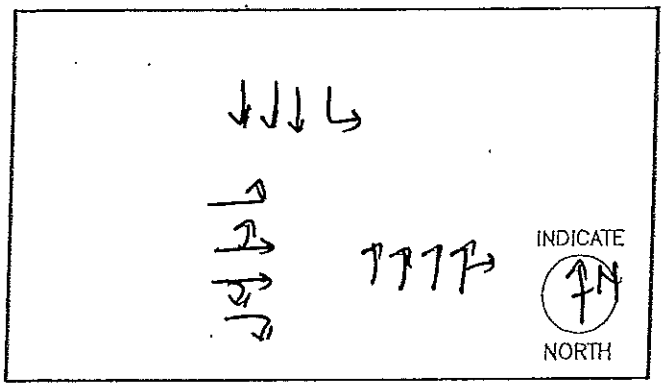
INTERSECTION SR 56 EB Ramps / El Camino Real

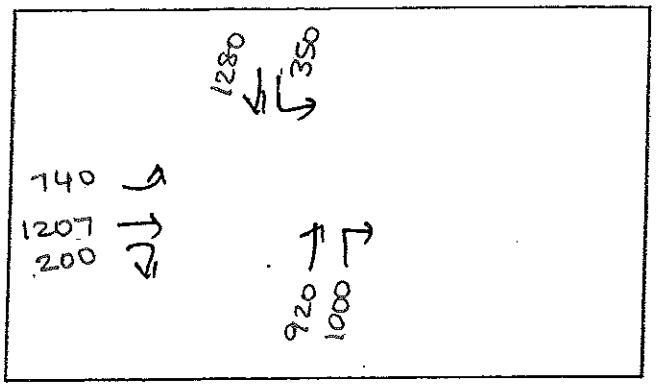
DIST. CO. RTE. P.M. 11 / SR 56

BY VG DATE

TIME 2015 AM/PM Rum A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
370 973 704 100	350 350 350 350	76 77 77 230 230 230 1230	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
973	350	1230	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
2553

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

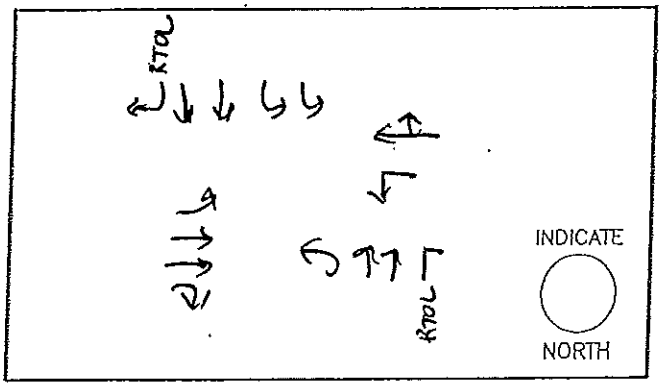
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

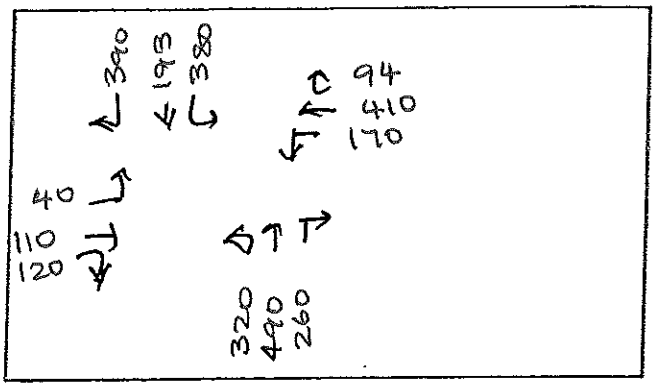
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

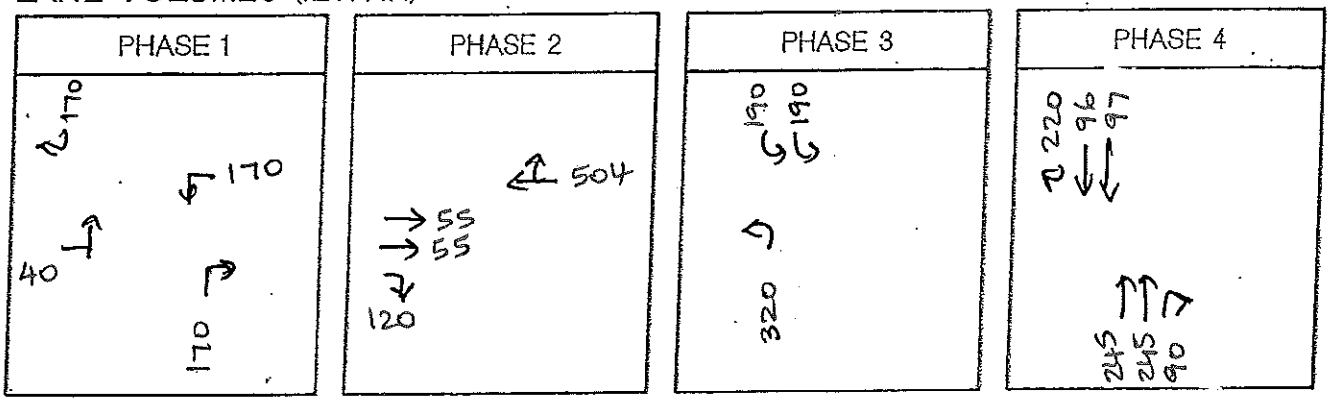
TIME 2015 AM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
170	504	320	245

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1239

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

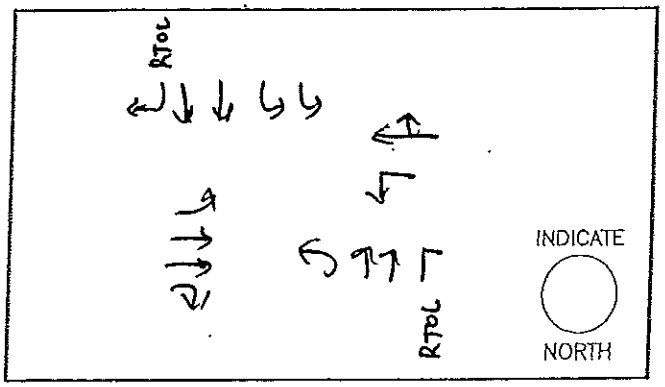
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

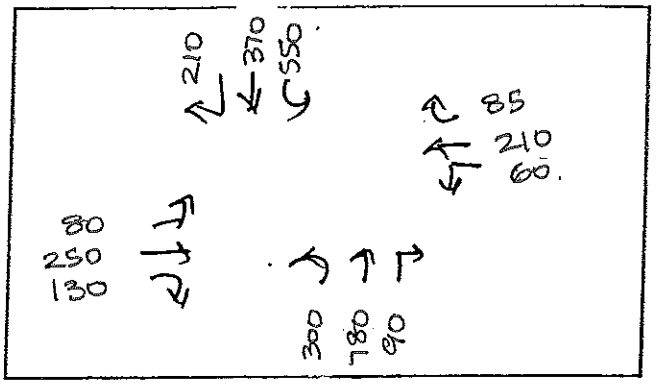
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

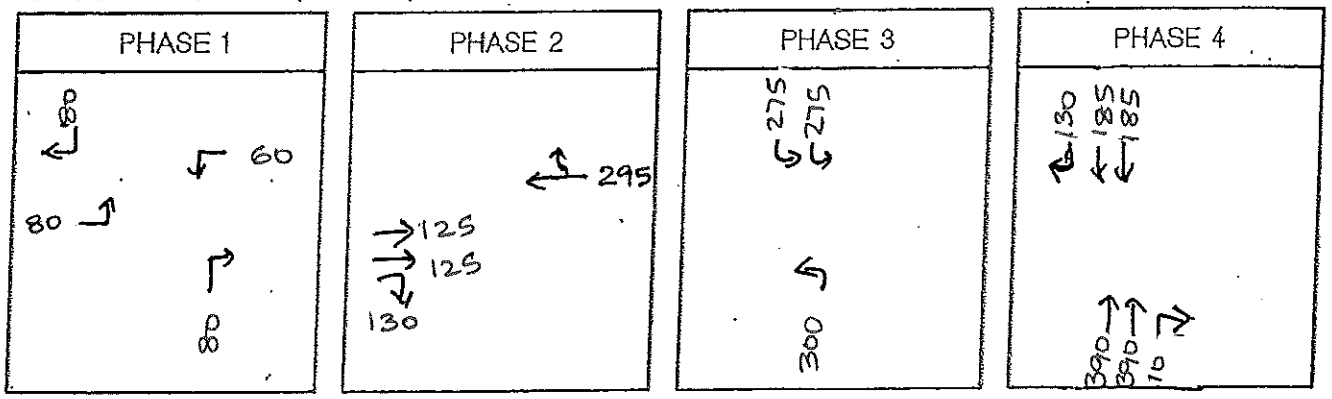
TIME 2015 PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
80	295	300	390

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1065

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

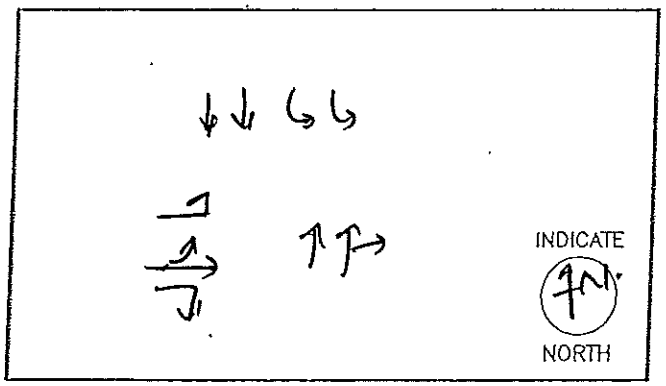
INTERSECTION SR EB Ramps / Carmel Creek Road.

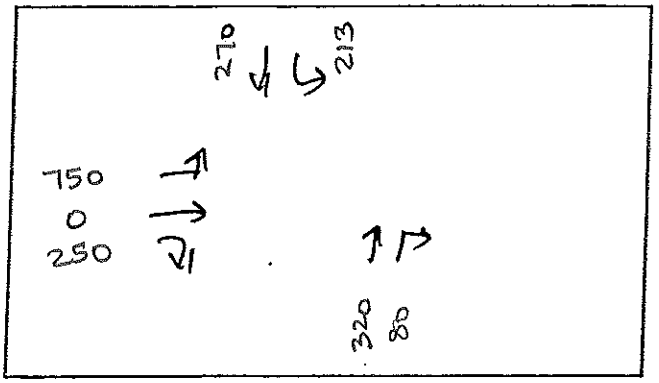
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2015 AM PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
375 375 250	107 107 107 106	29 28 160 240	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
375	107	240	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
722

☑ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

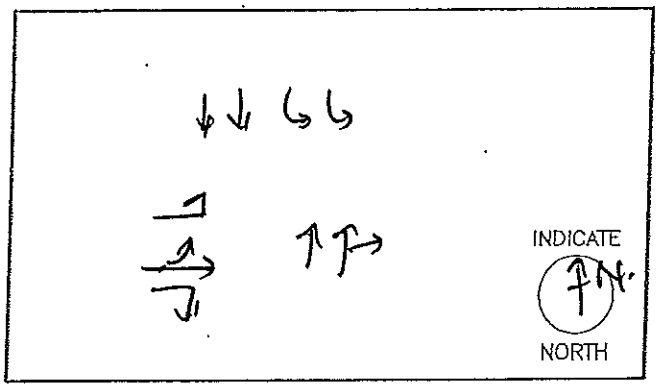
INTERSECTION SR 56 Ramps / Carmel Creek Road.

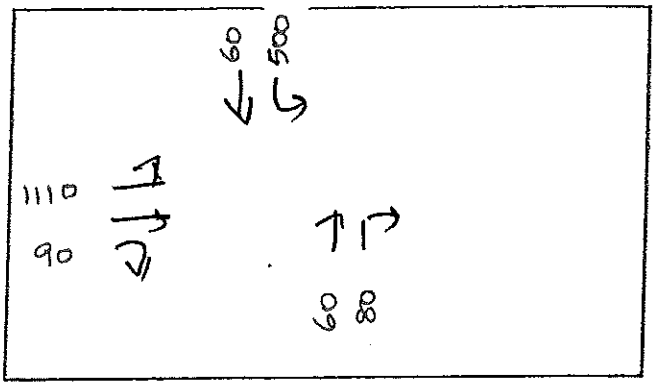
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE

TIME 2015 AM/PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
555 ↱ 555 ↑ 90 ↓	30 30 250 250	30 110	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
555	250	110	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
915

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

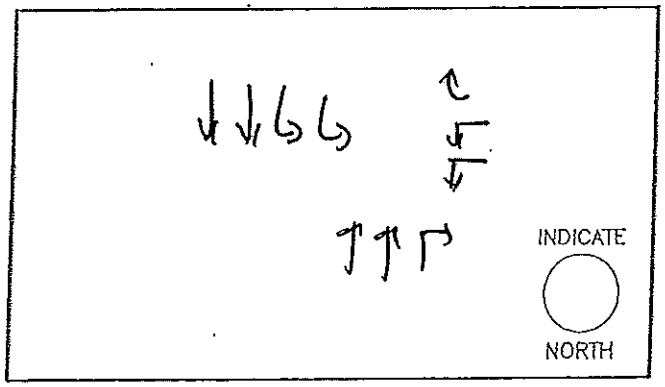
INTERSECTION Carmel Country Road / SR56 WB Ramps

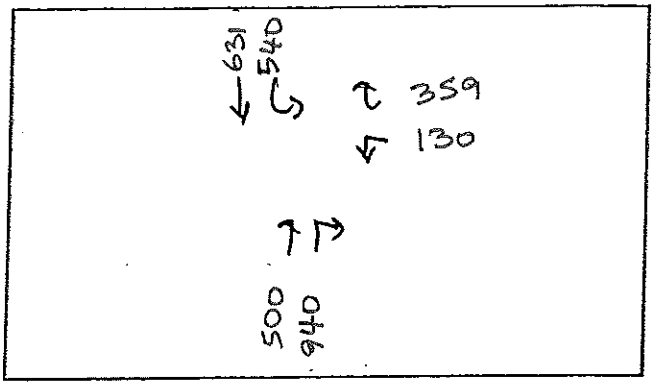
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2015 AM PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
359 65 65	270 270 270 270	45 46 250 250 940	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
359	270	940	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1569

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: over Capacity.

#33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

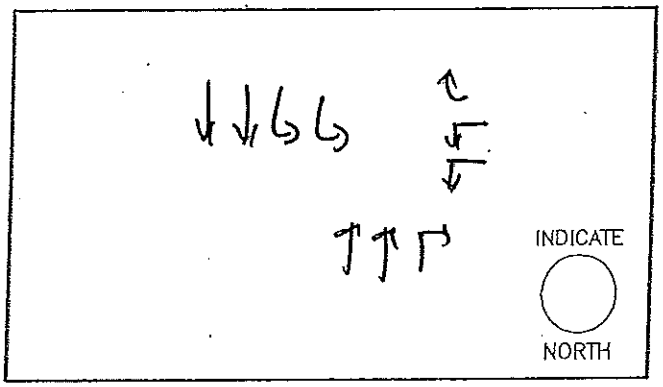
INTERSECTION Carmel Country Road / SR56 WB Ramps

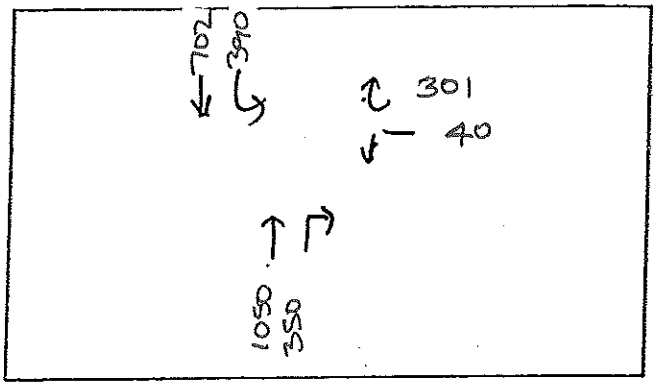
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

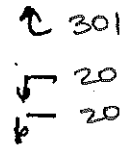
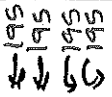
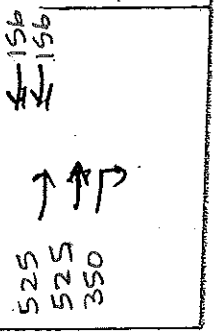
TIME 2015 AM/PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
301	195	525	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1021

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

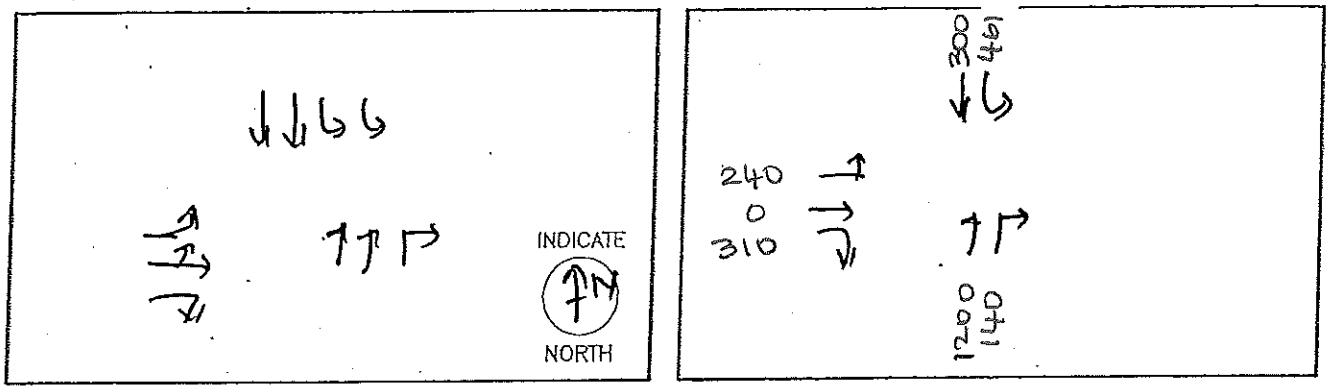
INTERSECTION SR56 EB Ramps / Carmel Country Road

DIST. CO. RTE. P.M. 11/SR56

BY US DATE

TIME 2015 AM PM Rm A

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
120 120 310	150 150 231 230	600 600 140	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
310	231	600	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1141

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: under capacity

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

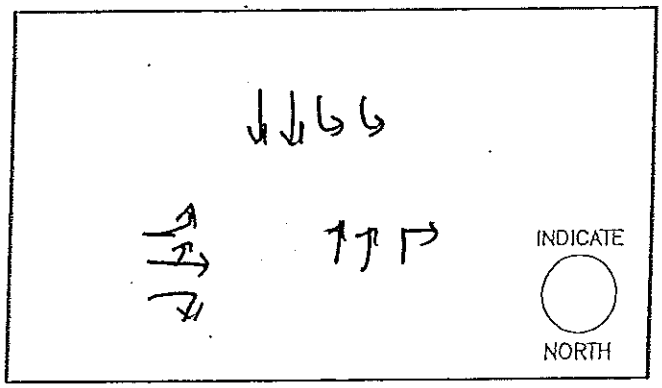
INTERSECTION SR56 EB Ramps / Carmel Country Road

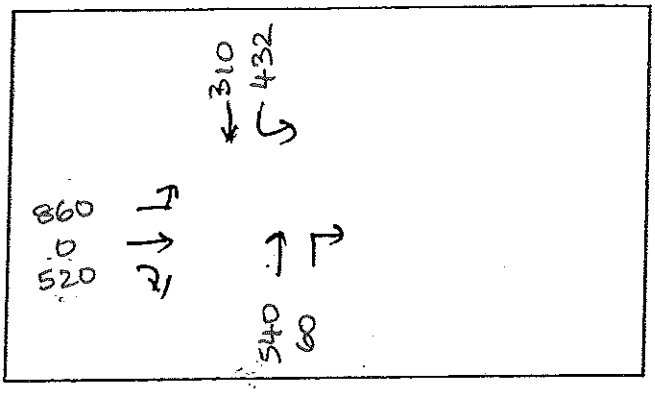
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2015 AM/PM Rev A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1*	PHASE 2	PHASE 3	PHASE 4
430 430 520	155 155 216 216	270 270 60	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
520	216	270	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1006

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#35

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

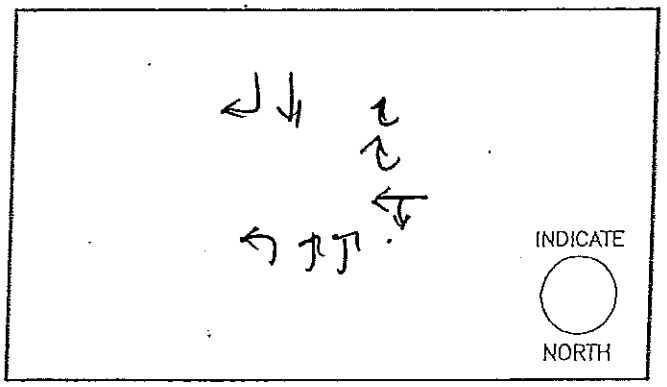
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

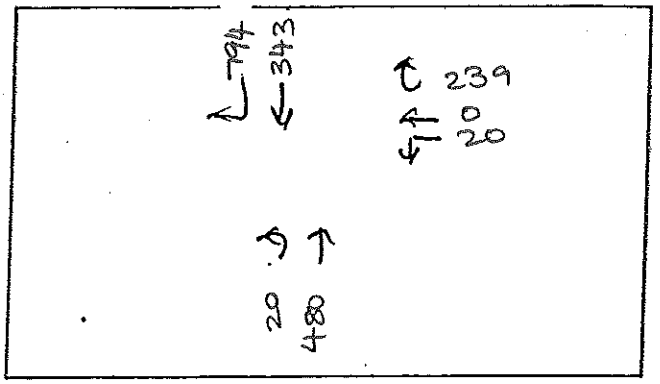
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2015 AM PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
119 120 20	20 20 20	794 343 220 220	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
120	20	794	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
934

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#35

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

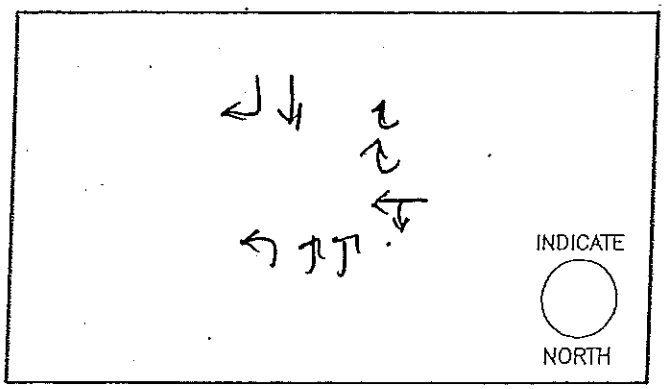
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

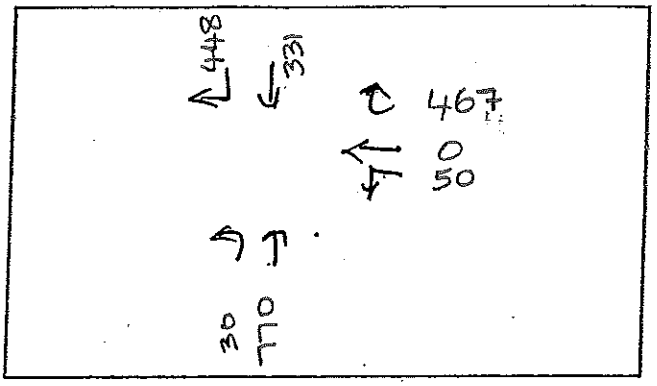
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2015 AM [PM] Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
233 234 50	30 30 30	448 331 355 355	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
234	30	448	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
712

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#36

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

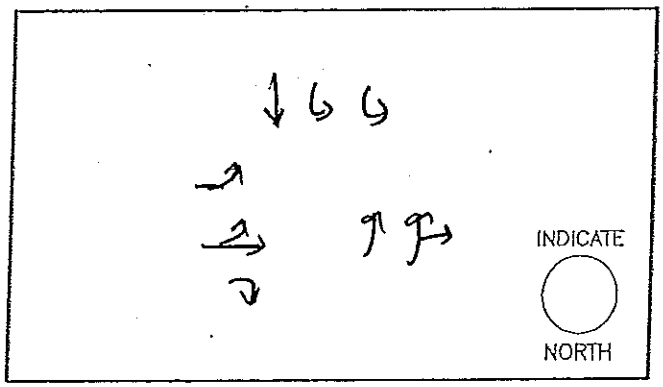
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

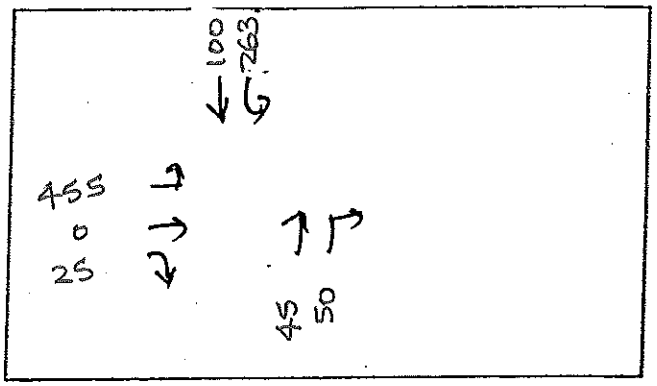
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 AM PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
227 ↱ 228 → 25 ↴	6 ↓ 132 ↳ 131 ↳	22 ↑ 73 ↑	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
228	132	73	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
433

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

36

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

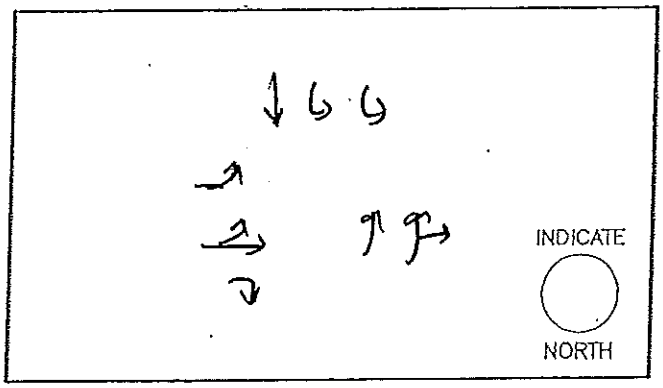
INTERSECTION SR 51 EB Ramps / Carmel Valley Road

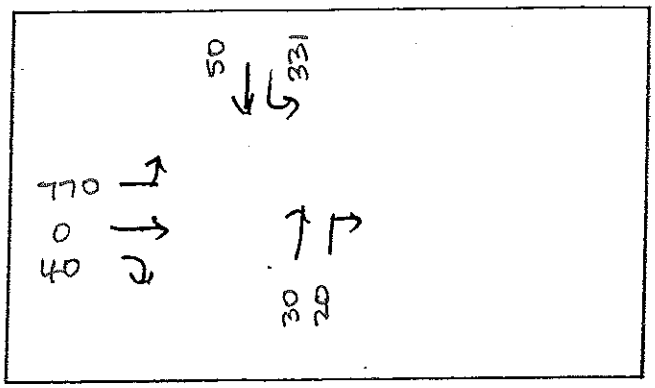
DIST. CO. RTE. P.M. 11/SR 56

BY US DATE

TIME 2015 AM/PM Run. A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
385 / 385 / 40	50 / 166 / 169	15 / 35	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
385	166	35	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
586

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#38

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

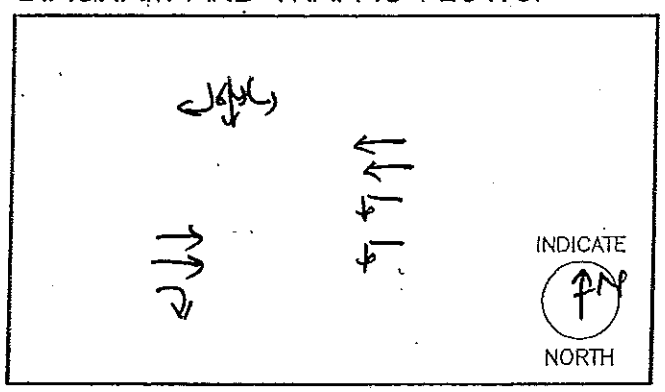
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

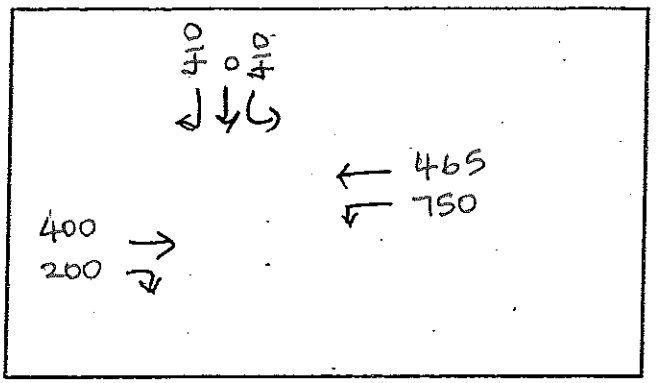
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Rev. A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
205 410 205	200 200 200	232 233 375 375	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
410	200	375	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
985

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#38

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

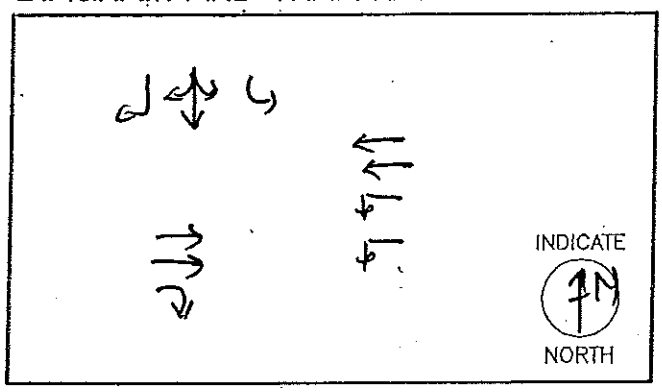
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

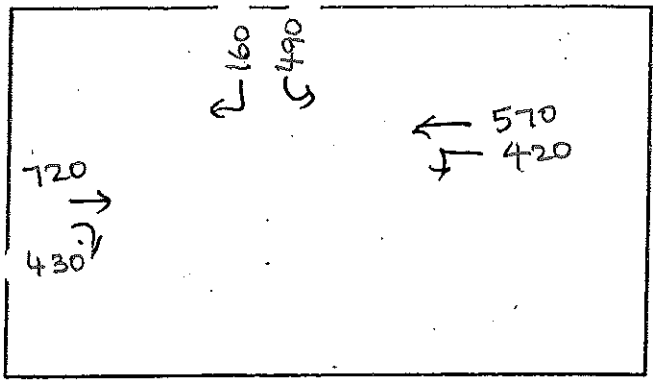
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
80 325 245	75 75 360 360 430	210 210 210 210	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
325	430	210	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
965

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#39

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

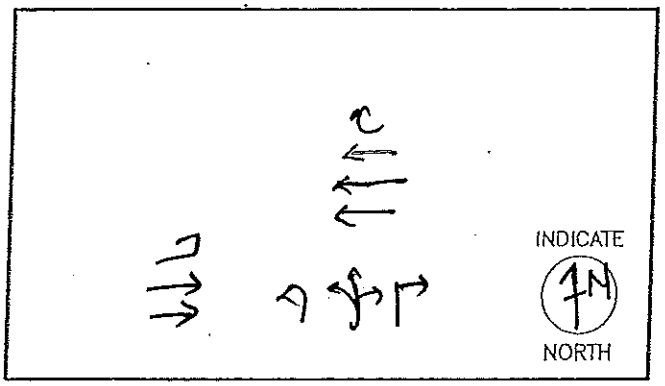
INTERSECTION I-5 NB Ramps / Carmel (Th Rd)

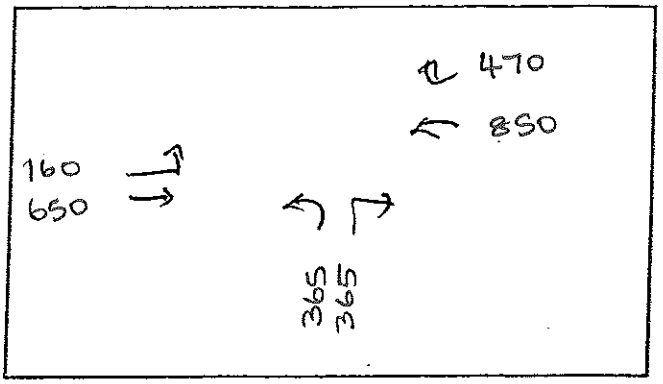
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 / AM PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
182 365 183	160 160 160	470 283 283 284 / 165 165	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
365	160	470	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
995

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#39

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

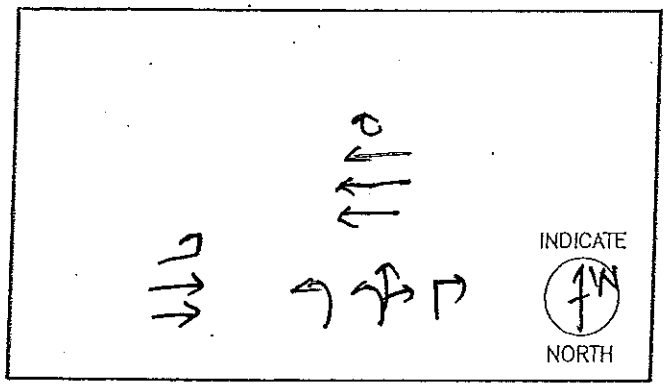
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

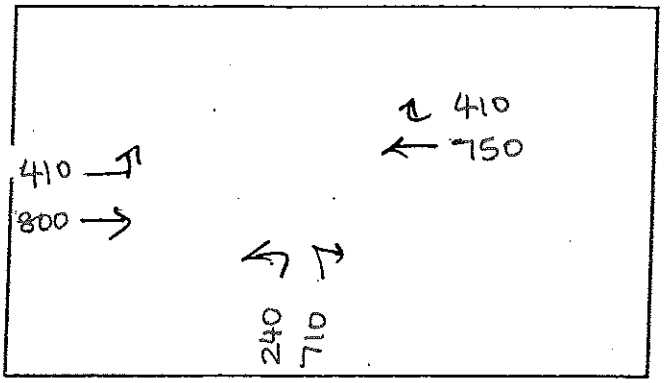
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM/PM Run A

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
120 475 355	410 400 400	450 250 250 250	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
475	410	450	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1335

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

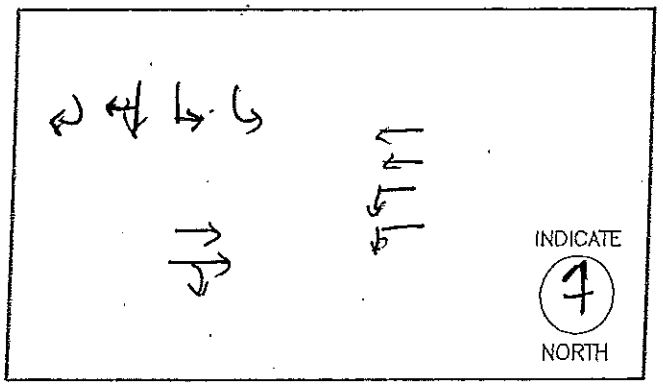
INTERSECTION I-5 SB Ramps / Carmel Valley / Rocat

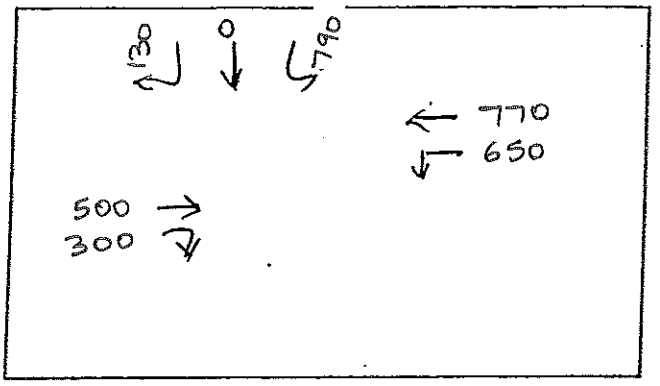
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM/PM Run B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
65, 65, 395, 395	325, 325, 325, 325	60, 60, 250, 550	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
395	325	550	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1270

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

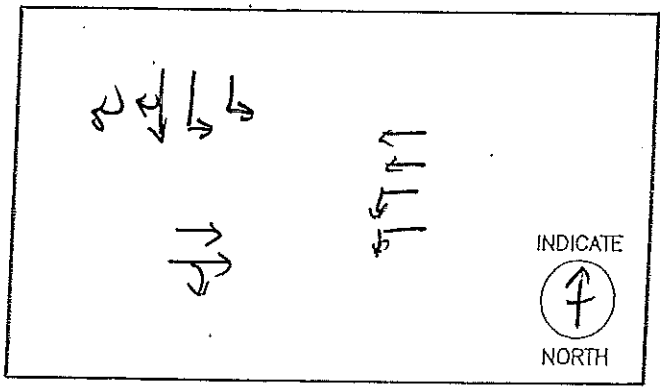
INTERSECTION I-5 SB Ramps / Carmel Valley/Road

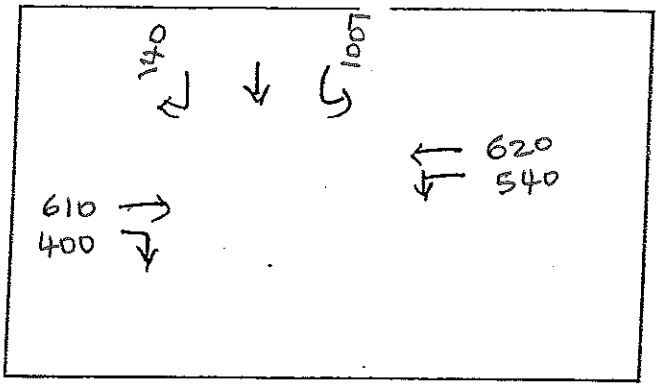
DIST. CO. RTE. P.M. 11/I-5

BY US DATE

TIME 2015 AM/PM Pm B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
70 ↓ 70 ↓ 504 ↓ 503	← 270 ← 270 ↓ 270 ← 270	→ 305 → 705	← 40 ← 40

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
504	270	705	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1479

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

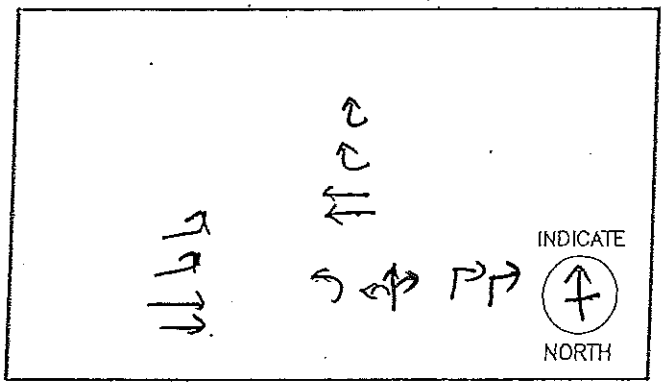
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

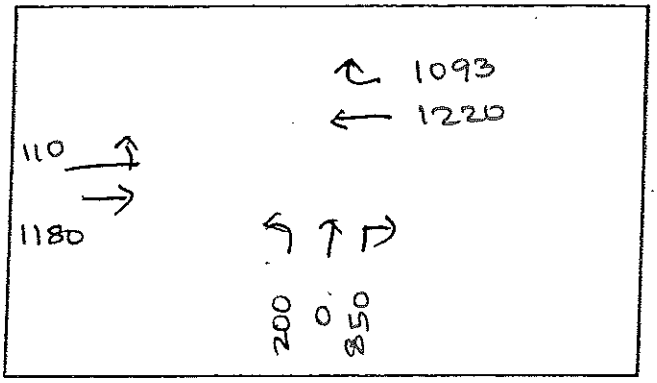
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Run B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55 ↑ 55 ↰ 55 → 55 →	546 ↶ 547 ↑ 535 → 610 ← 535 → 610 ←	10 8 425 425	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	610	425	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1090

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

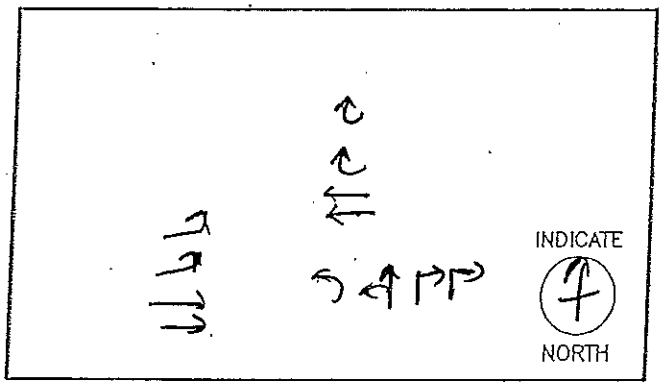
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

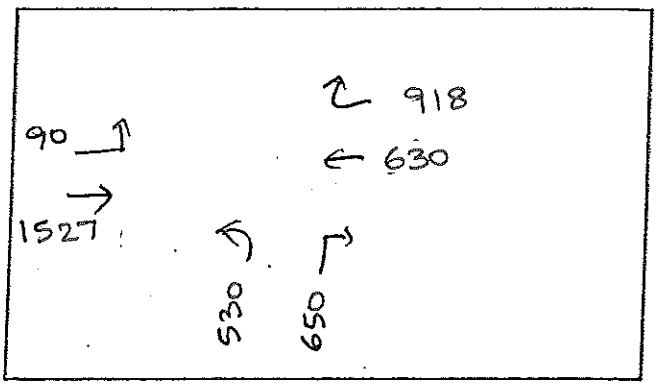
DIST. CO. RTE. P.M. 11 / I-5

BY VLS DATE _____

TIME 2015 AM/PM Run B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45 45 45 45	459 459 315 315 719 718	265 265 325 325	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45	719	325	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1089

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#28

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

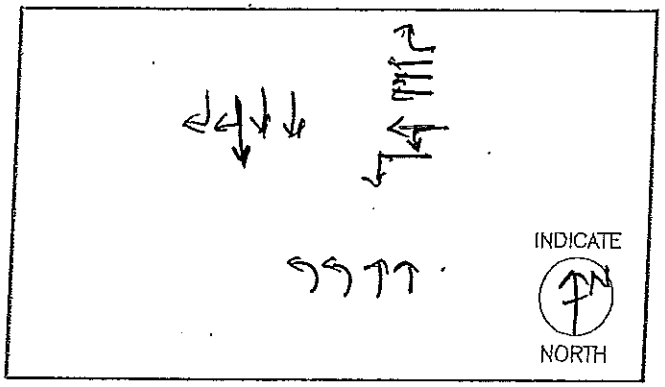
INTERSECTION SR56 WB Ramps / El Camino Real

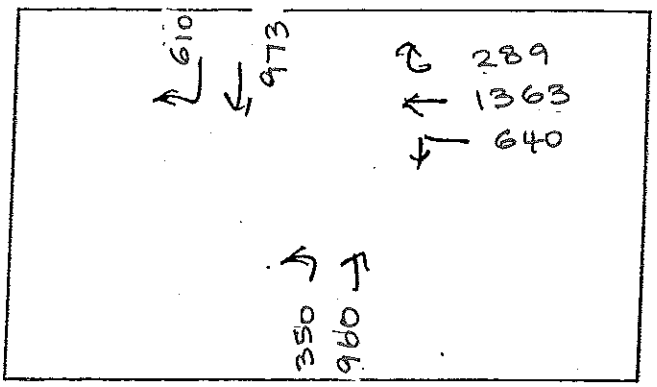
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

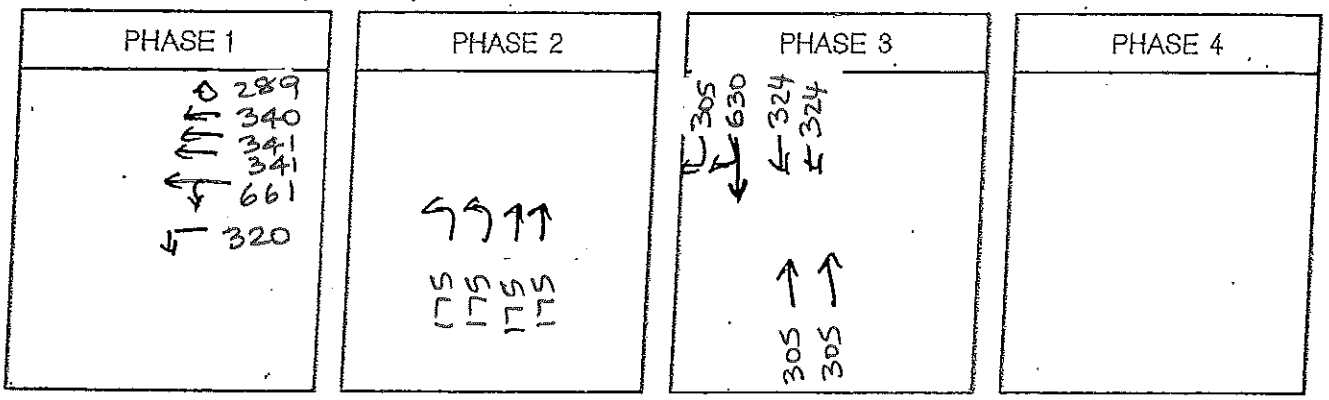
TIME 2015 /AM PM Rev. B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
661	175	630	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1466

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

#28

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

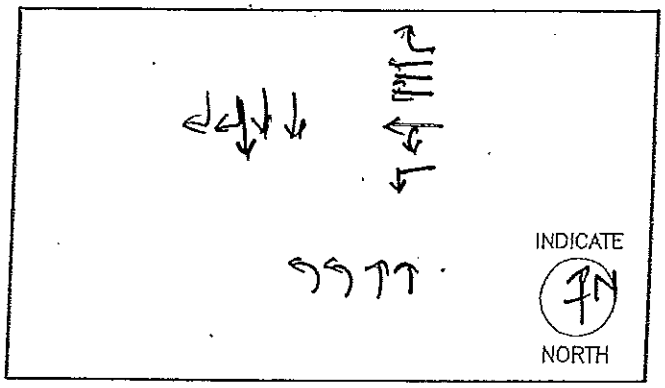
INTERSECTION SR56 WB Ramps / El Camino Road

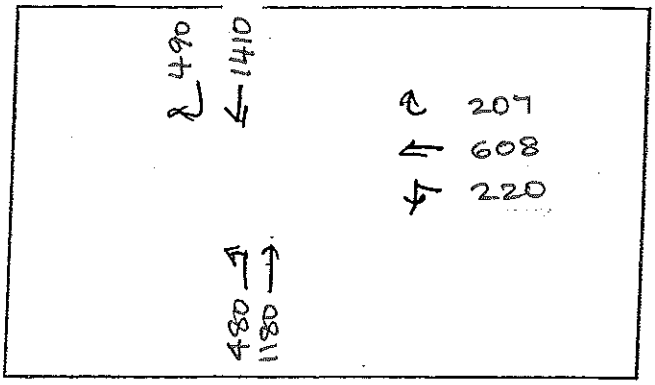
DIST. CO. RTE. P.M. 11 / SD SR56

BY VS DATE

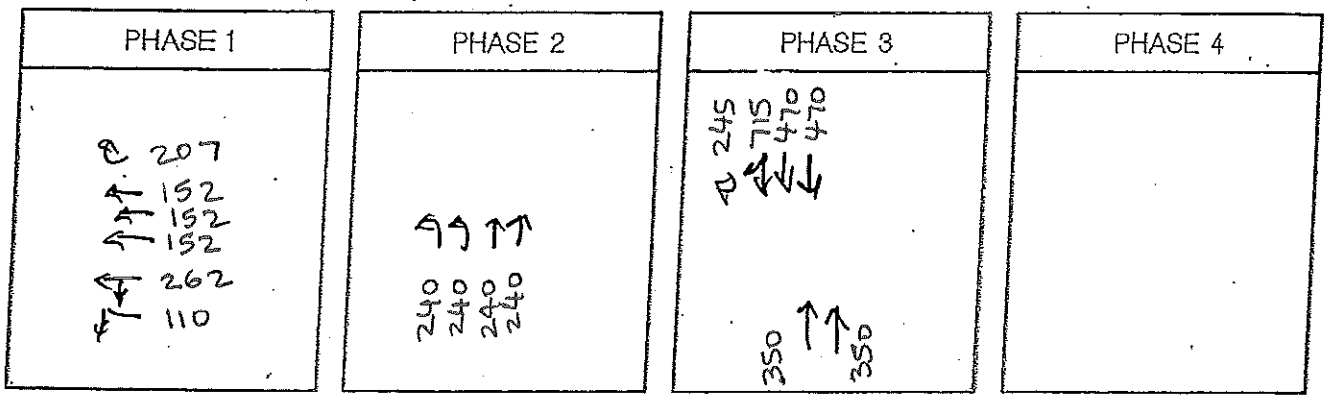
TIME 2015 AM/PM Rev B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
262	240	715	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1217

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

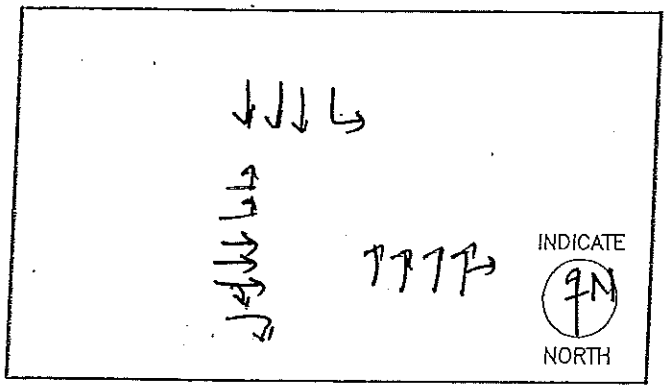
INTERSECTION SR 56 EB Ramps / El Camino Real

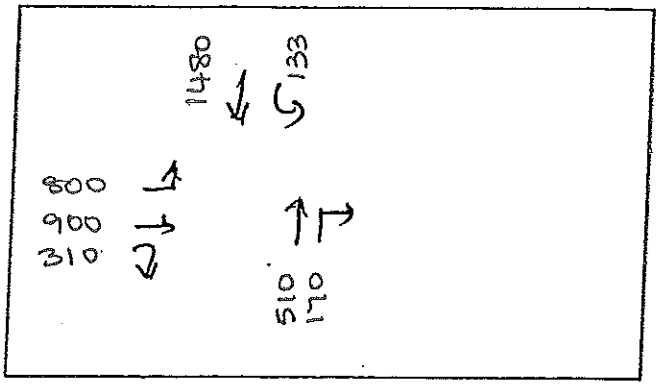
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

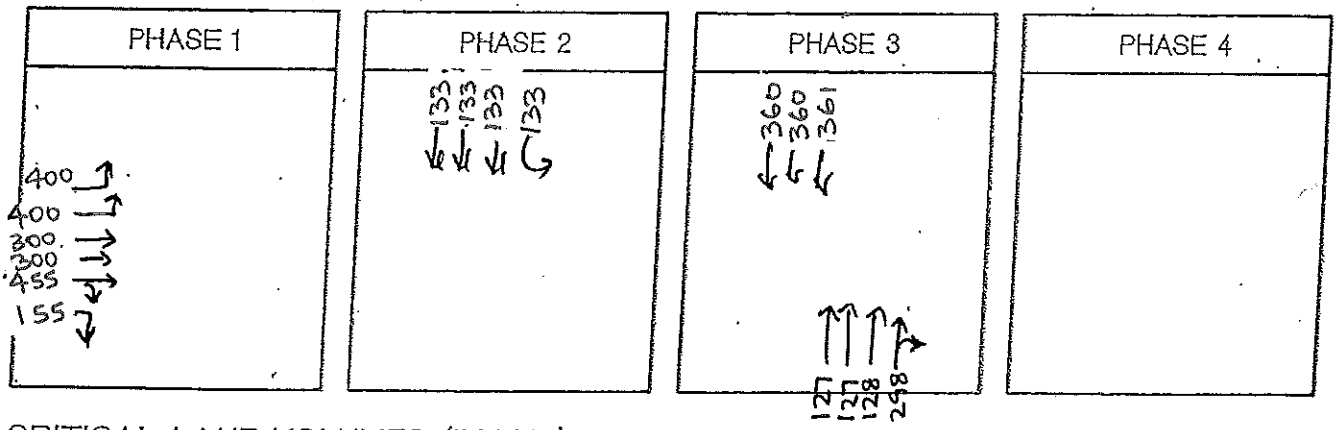
TIME 2015 AM PM Run B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
455	133	361	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
949

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS Under capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

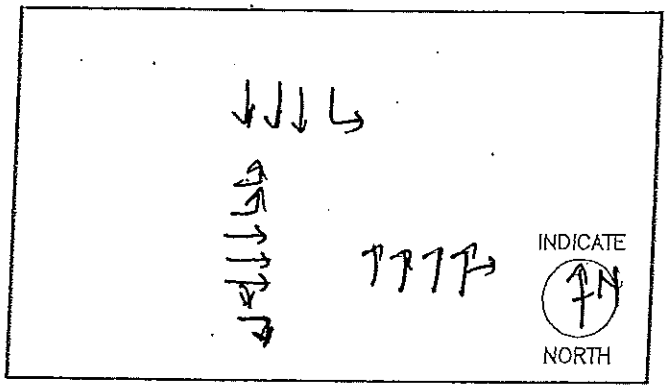
INTERSECTION SR 56 EB Ramps / El Camino Real

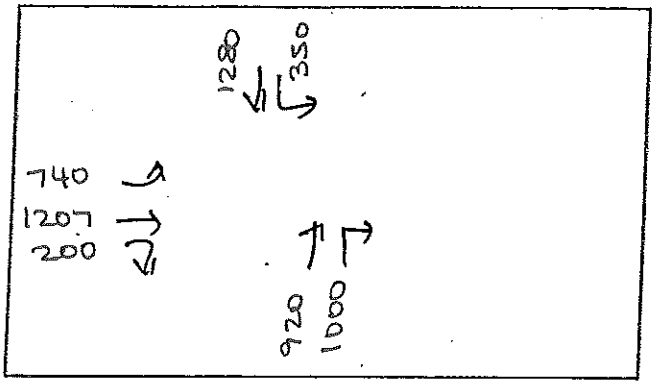
DIST. CO. RTE. P.M. 11 / SR 56

BY VG DATE

TIME 2015 AM/PM Run B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
370 370 402 402 503 100	350 350 350 350	74 FF 230 230 230 1230	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
503	350	1230	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
2083

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

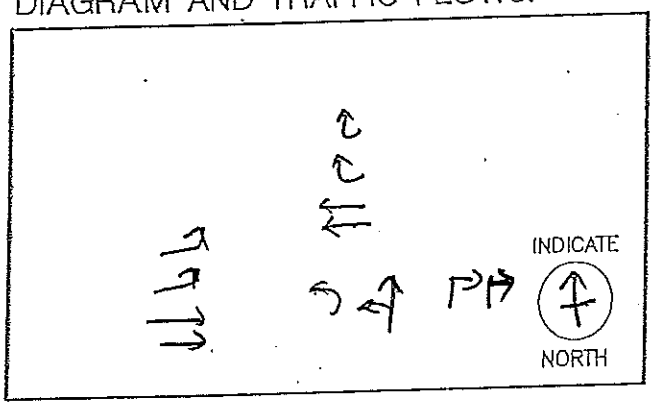
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

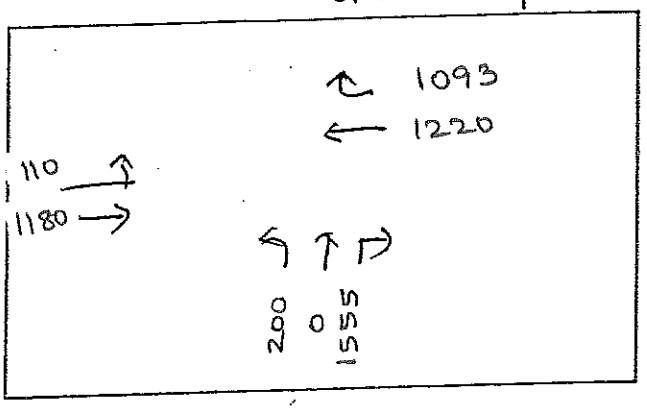
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55 ↑ 55 ↑ 55 → 55 →	546 ↶ 547 ↑ 535 → 610 ← 535 → 610 ←	100 ↰ ↑ 0 ↑ 778 ↱ ↱	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	610	778	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1443

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

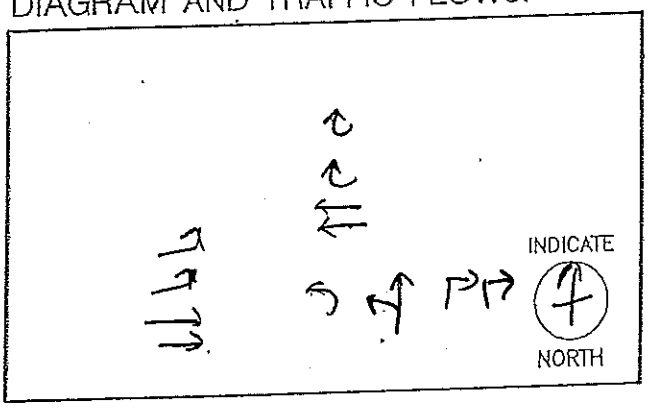
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

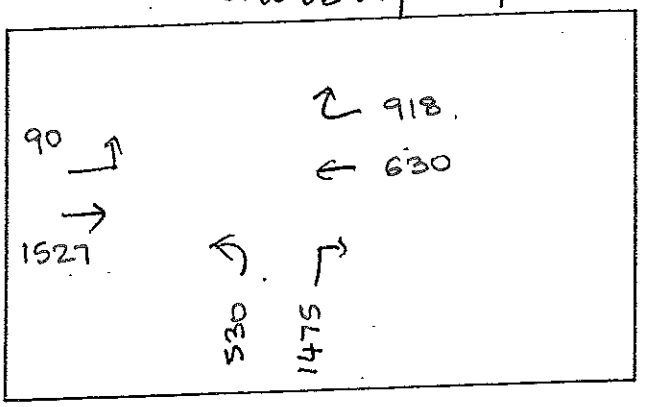
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM/PM Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45 45 45 45	718 719 459 459 315 315	265 265 737 738	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45	719	738	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1502

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

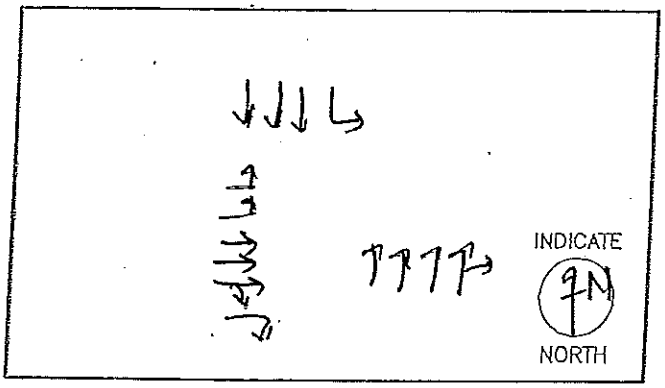
INTERSECTION SR 56 EB Ramps / El Camino Real

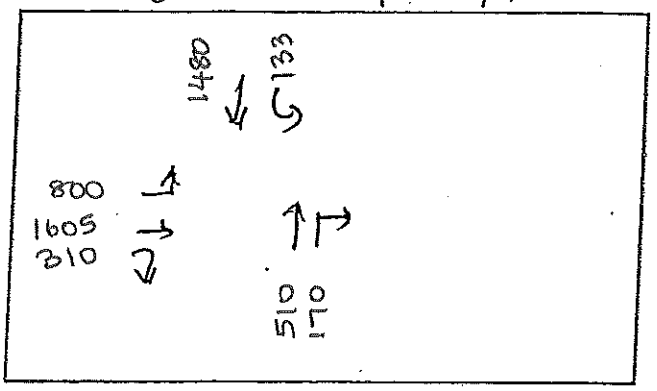
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

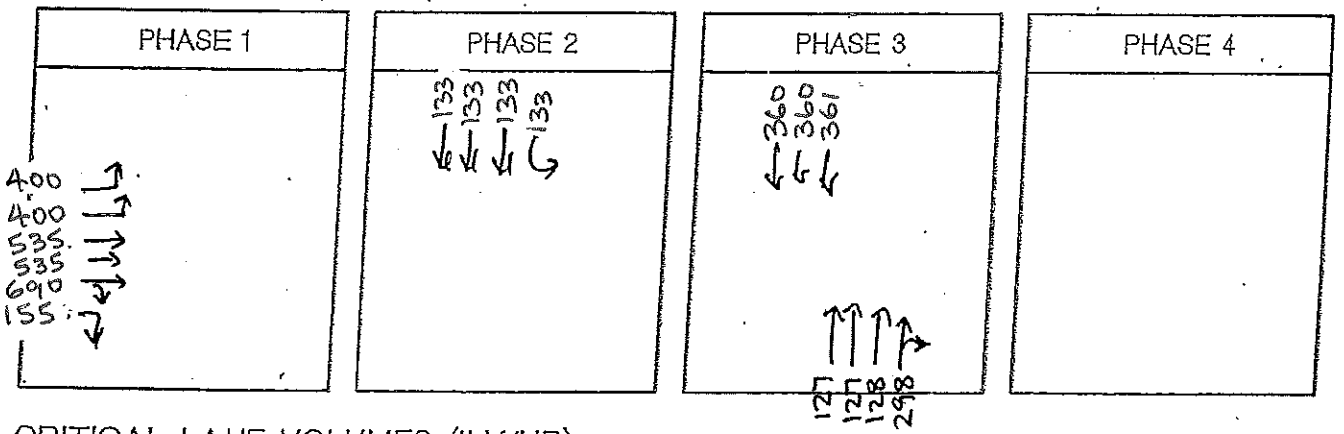
TIME 2015 AM PM Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
690	133	361	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1184

- [x] A < 1200 ILV/HR.
- [ ] B > 1200 BUT < 1500 ILV/HR.
- [ ] D > 1500 ILV/HR (CAPACITY)

REMARKS Under Capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

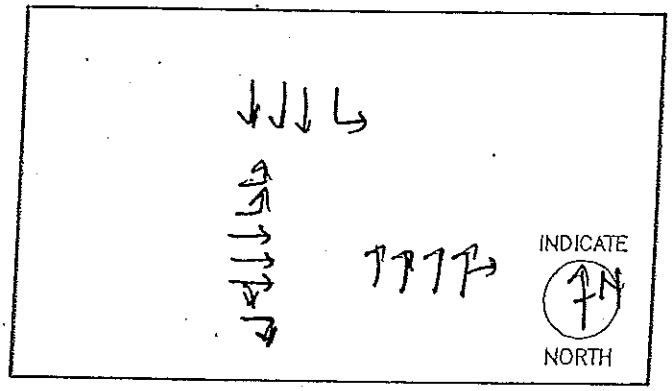
INTERSECTION SR 56 EB Ramps / El Camino Real

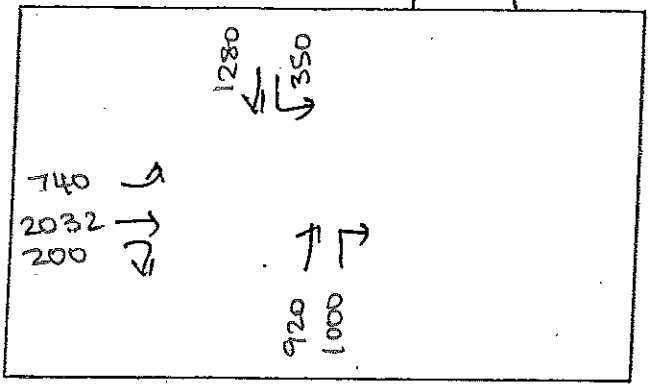
DIST. CO. RTE. P.M. 11 / SR 56

BY VG DATE

TIME 2015 AM/PM Rev B2 (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
370 370 677 677 778 100	350 350 350 350	76 230 230 230 230	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
778	350	1230	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
2358

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

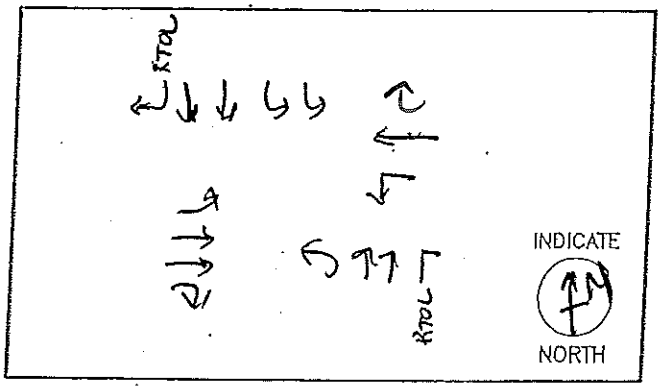
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

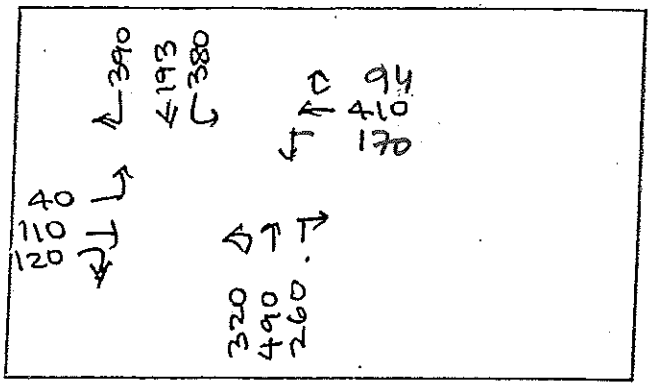
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

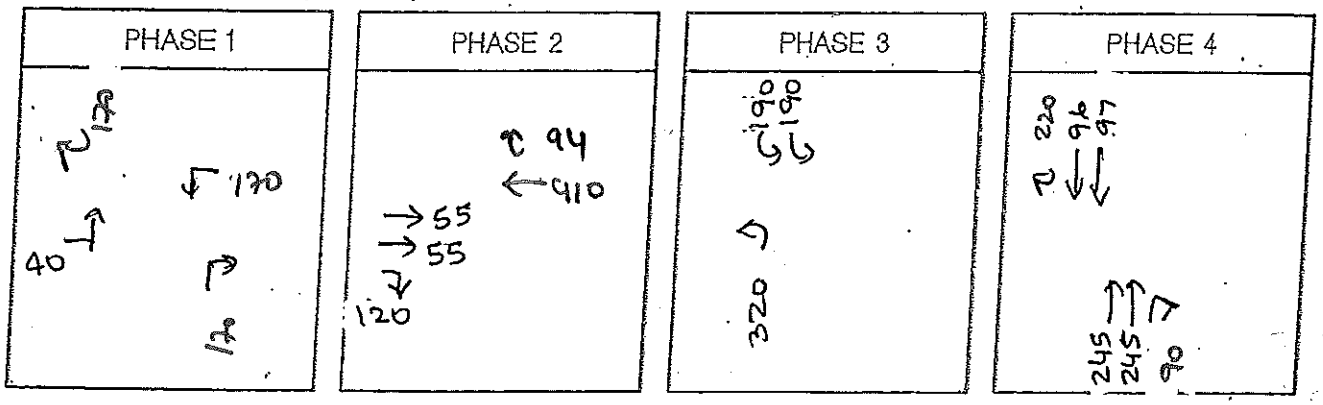
TIME 2015 AM Run B

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
170	410	320	245

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1145

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

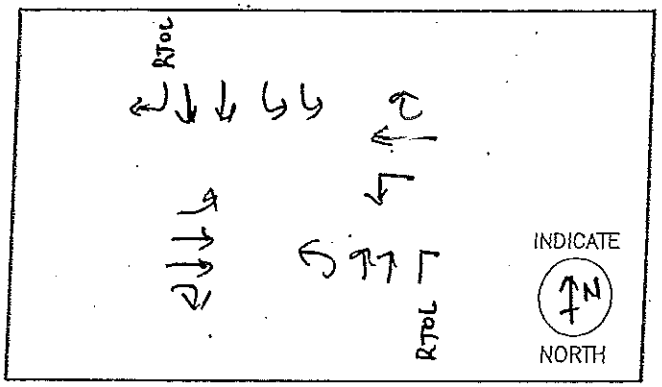
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

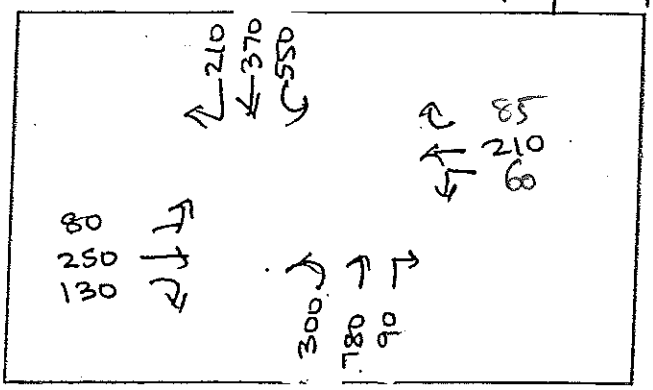
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

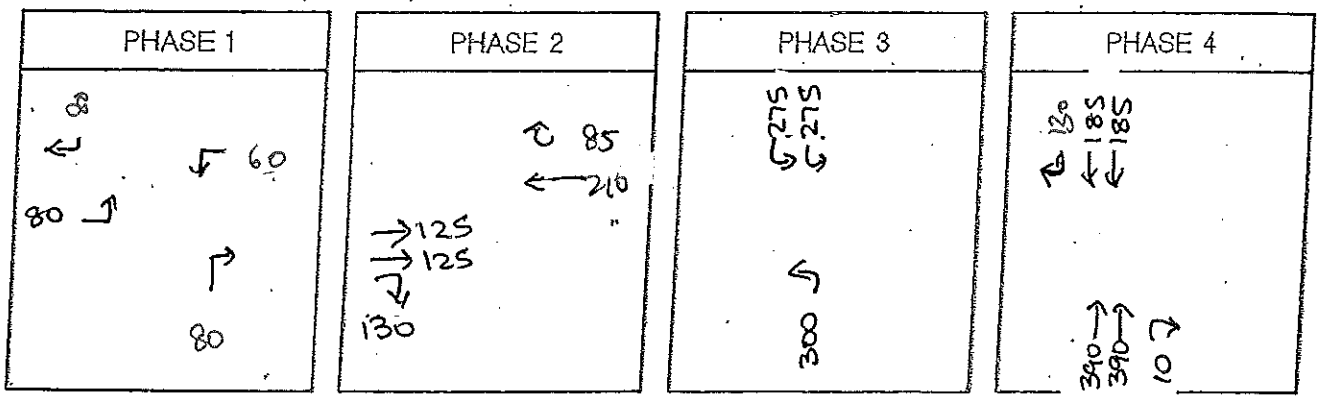
TIME 2015 PM 2030 Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
80	210	300	390

TOTAL OPERATING LEVEL (ILV/HR)

Σ
980

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

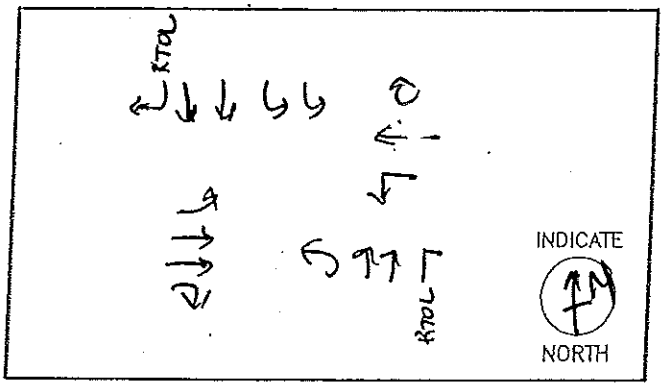
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

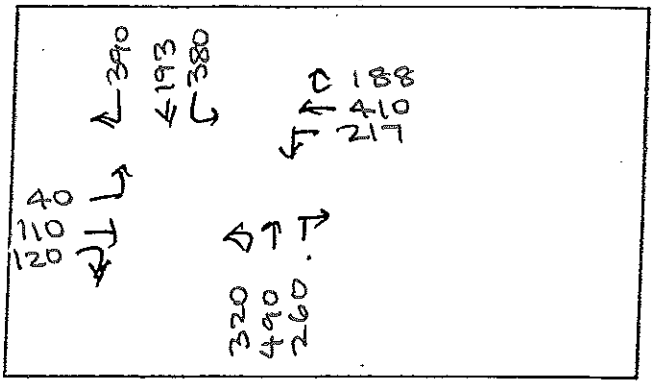
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

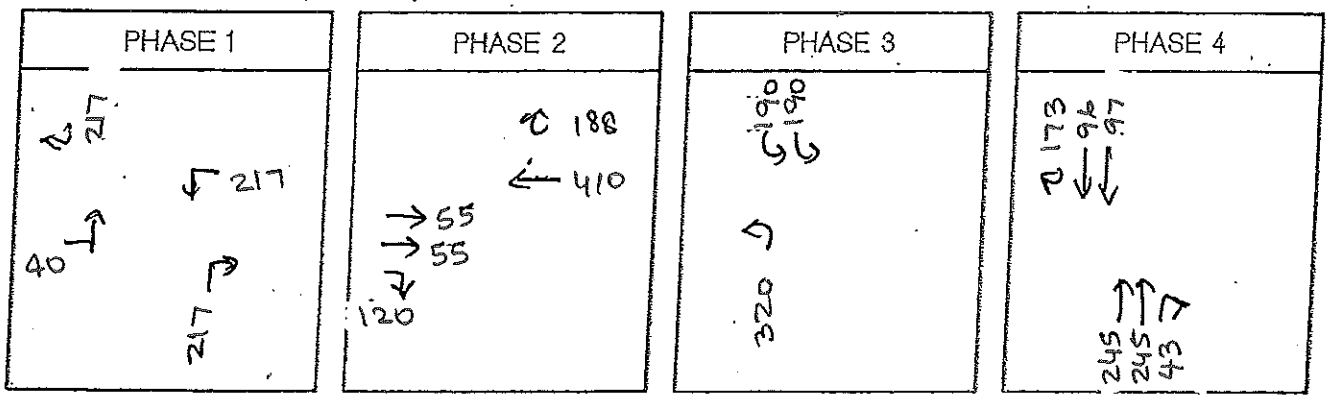
TIME 2015 AM Run B2 (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
217	410	320	245

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1192

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

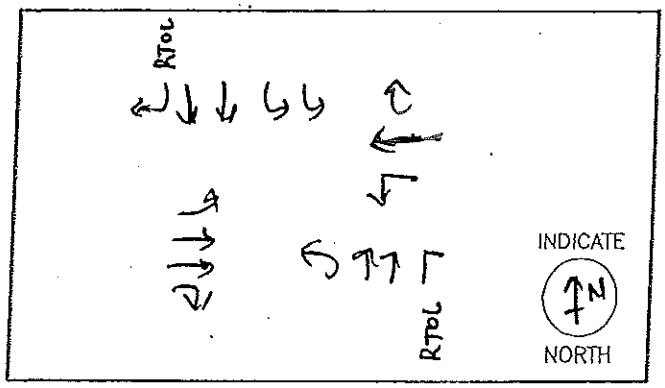
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

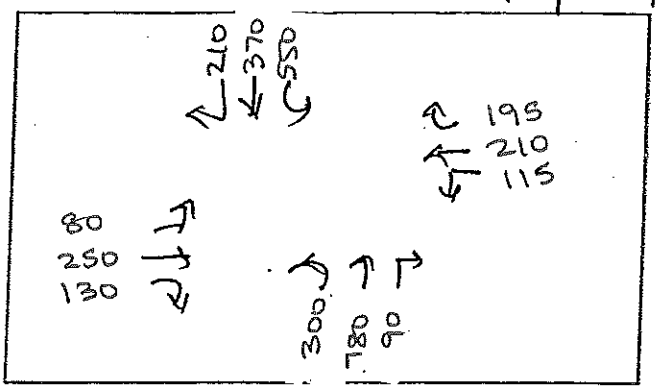
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

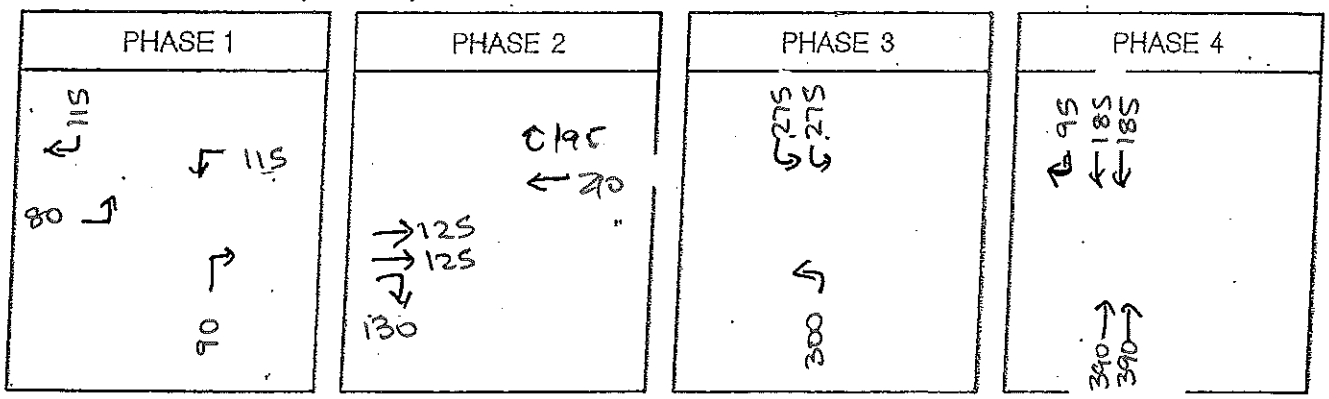
TIME 2015 PM 2030 Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
115	210	300	390

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1015

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

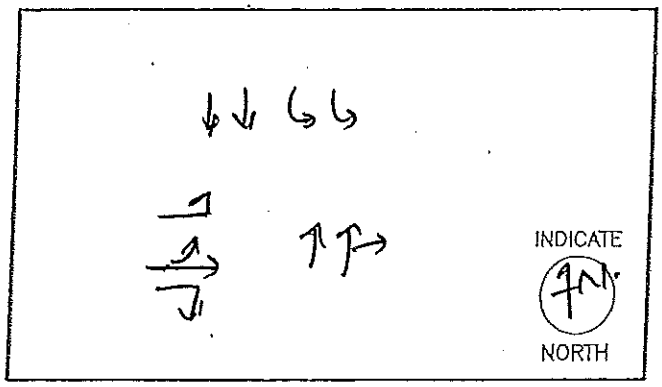
INTERSECTION SR EB Ramps / Carmel Creek Road.

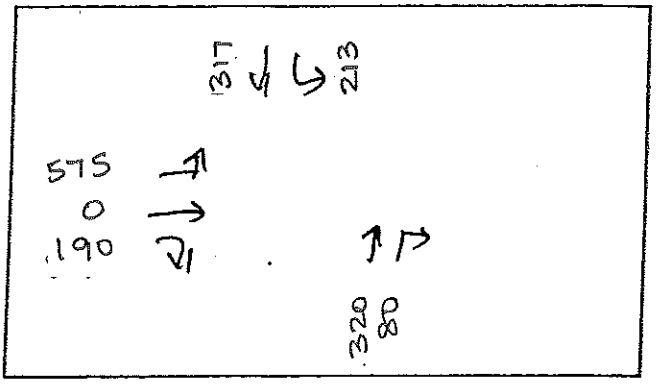
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2015 AM PM Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
287 288 190	107 107 107 106	51 52 160 240	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
288	107	240	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
635

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

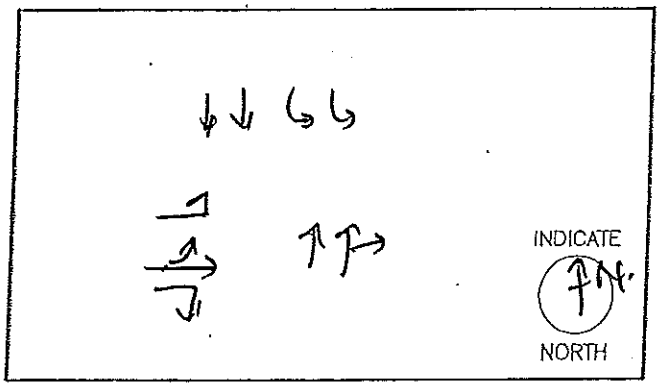
INTERSECTION SR 68 Ramps / Carmel Creek Road

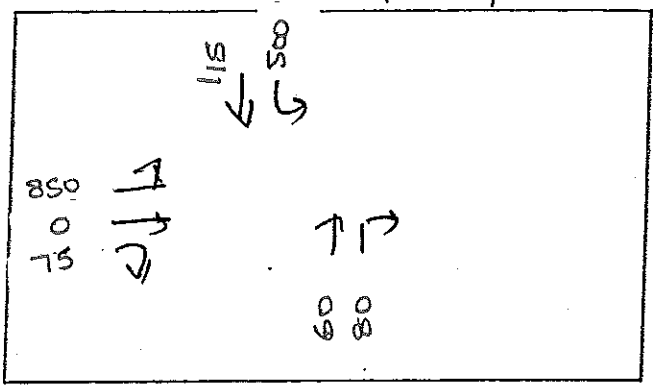
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE /

TIME 2015 AM/PM Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425 425 75	57 58 250 250	30 110	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	250	110	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
785

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

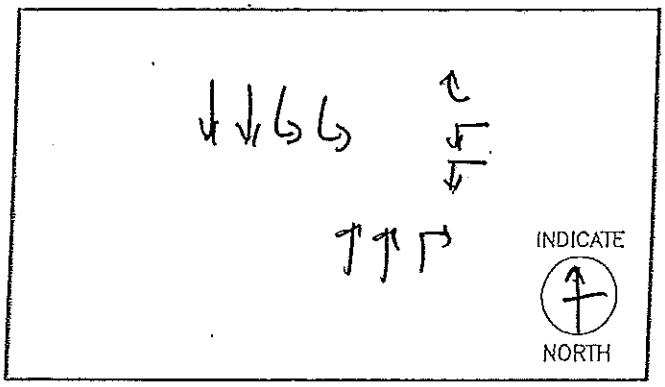
INTERSECTION Carmel Country Road / SR56 WB Ramps

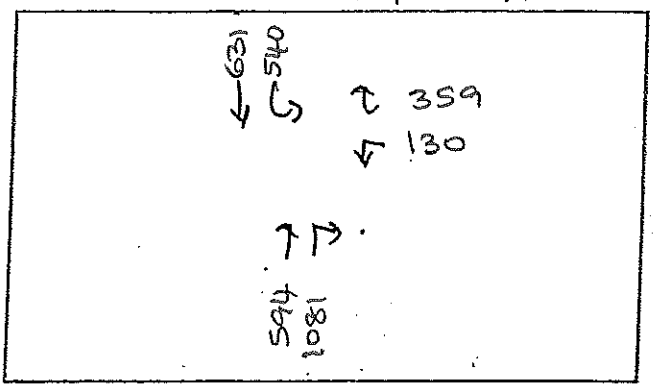
DIST. CO. RTE P.M. 11/SR 56

BY VS DATE

TIME 2015 AM PM Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
359 65 65	270 270 270 270	45 46 297 297 1081	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
359	270	1081	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1710

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

#33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

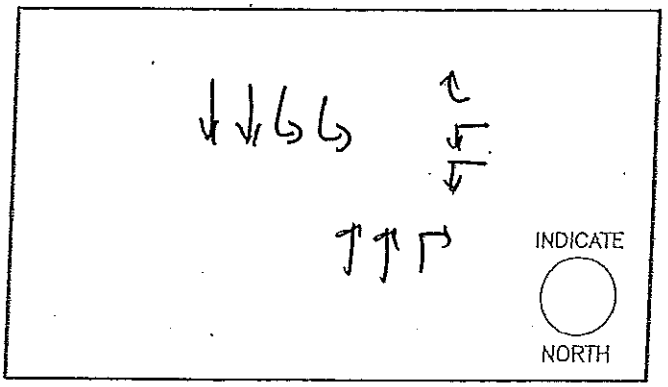
INTERSECTION Carmel Country Road / SR56 WB Ramps

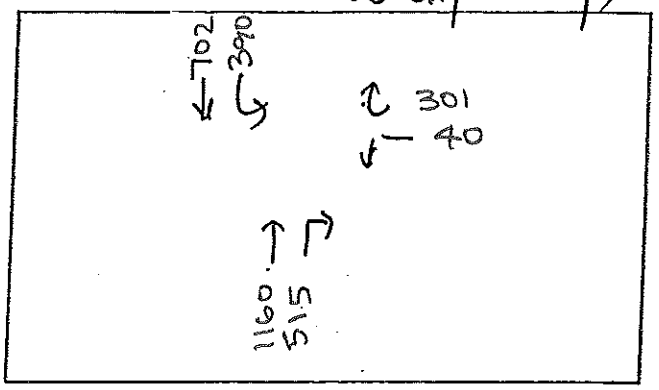
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

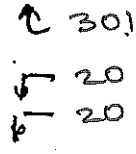
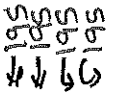
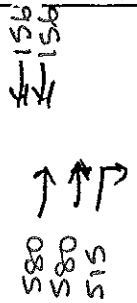
TIME 2015 AM/PM Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
301	195	580	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1076

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

INTERSECTION SR56 EB Ramps / Carmel Country Road

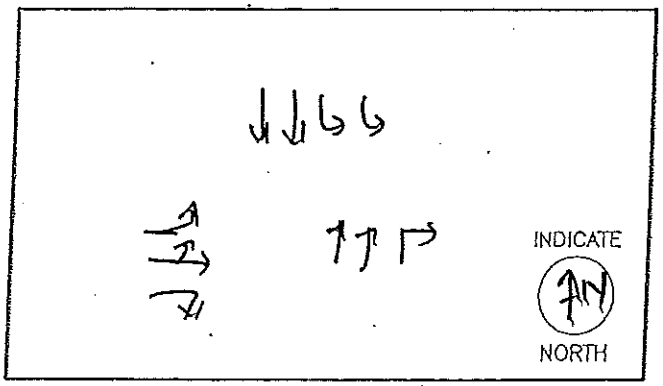
DIST. CO. RTE. P.M. 11 / SR56

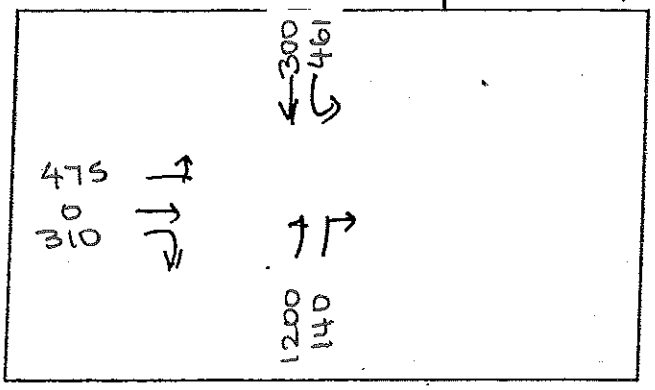
BY VS DATE

TIME 2015 (AM) PM Rm B2

(No EB Slip off-ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
237 238 310	150 158 230 231	600 600 140	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
310	231	600	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1141

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

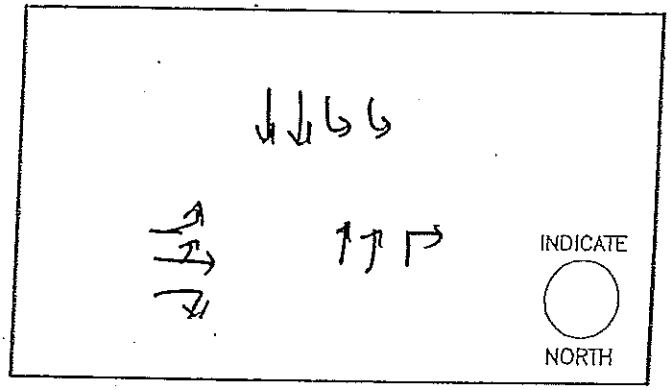
INTERSECTION SR56 EB Ramps / Carmel Country Road

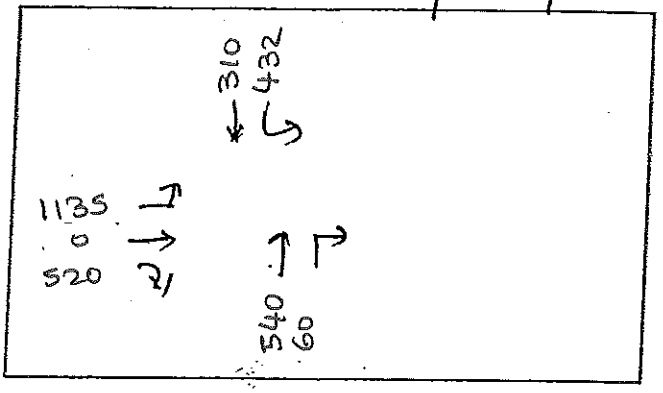
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

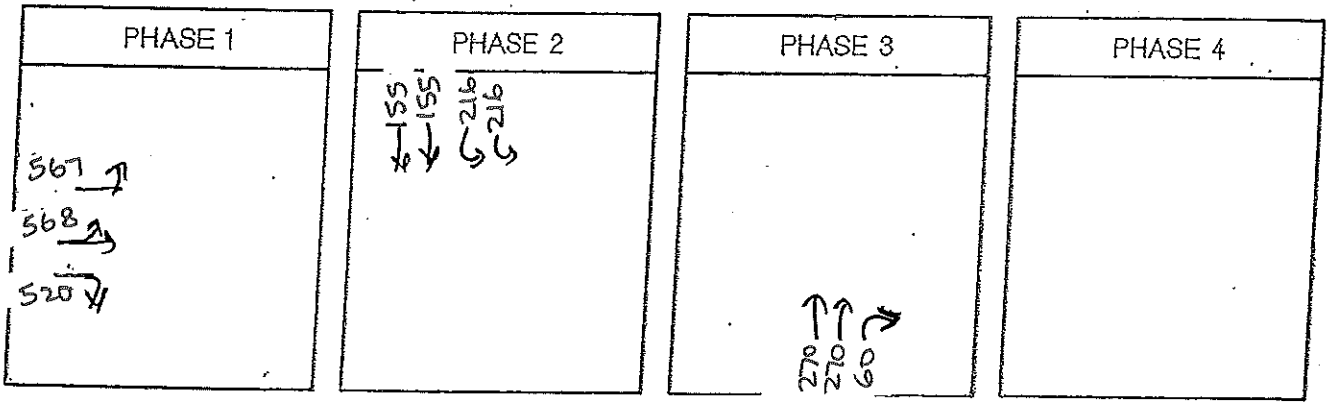
TIME 2015 AM/PM Run B2 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
568	216	270	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1054

IS . . . ☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#1

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

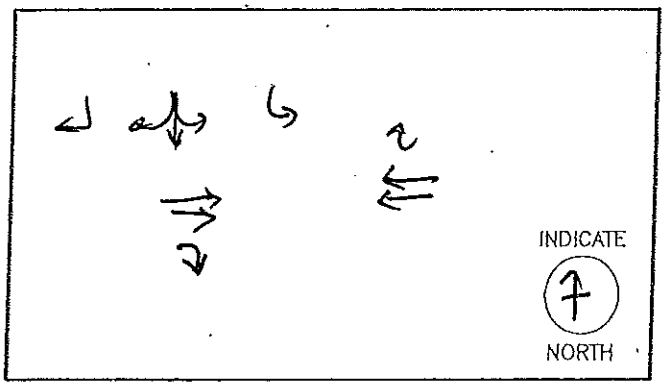
INTERSECTION I-5 SB Ramps / Via de la Valle.

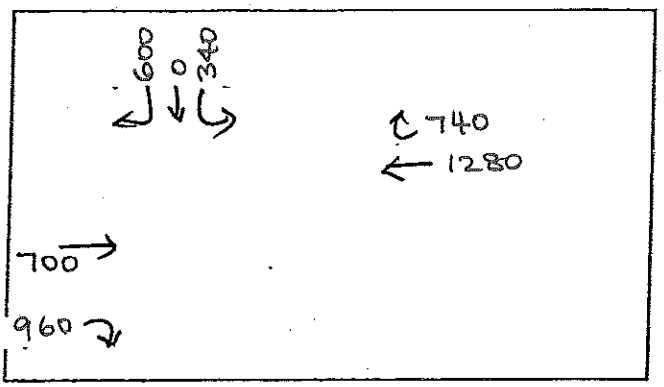
DIST. CO. RTE. P.M. 11 / I-5.

BY VS DATE

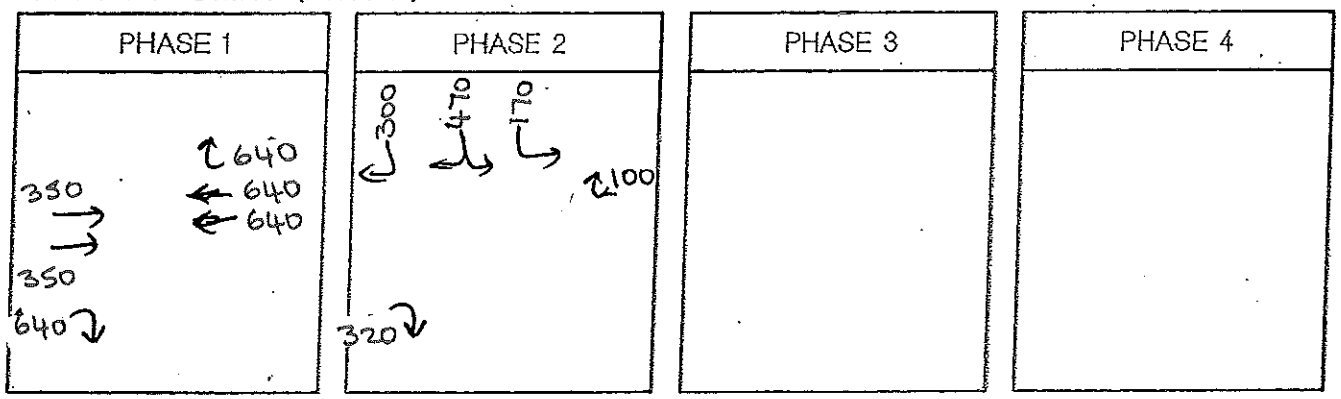
TIME 2015 [AM] PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
640	470		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1110

☑ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under.

#1

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

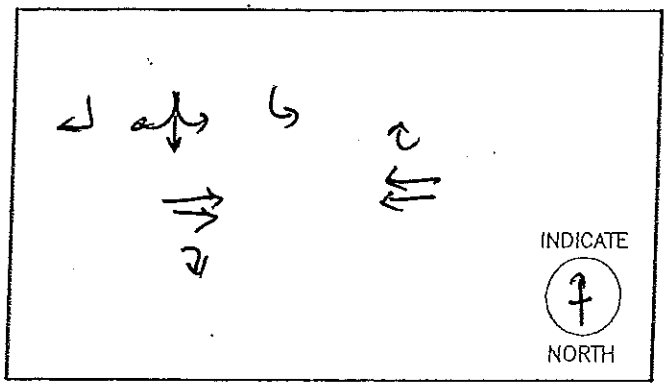
INTERSECTION I-5 SB Ramps / Via de la Valle.

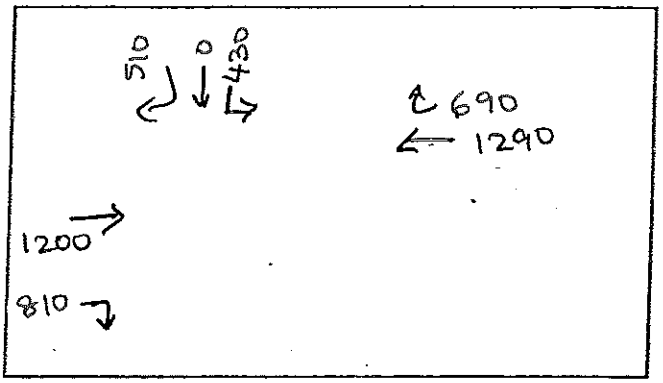
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM [PM]. Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
645 ↑ 600 → 645 ← 645 ← 600 645 ↓	255 ↓ 470 ↓ 215 ↓ 45 ↑ 165 ↓		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
645	470		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1115

IS . . .

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#2

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

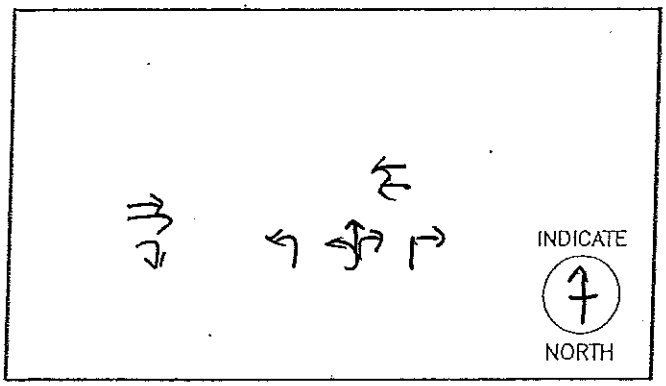
INTERSECTION I-5 NB Ramps / Via de la Valle

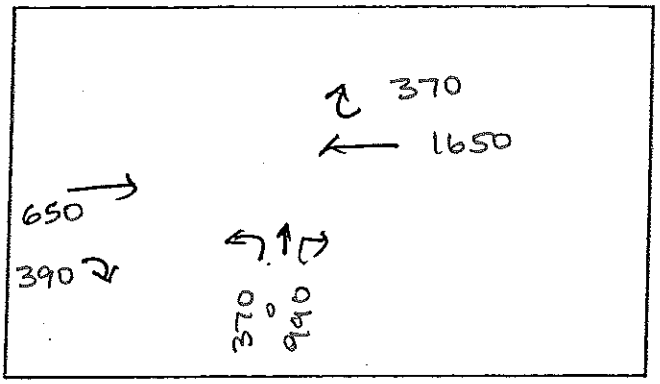
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Run C

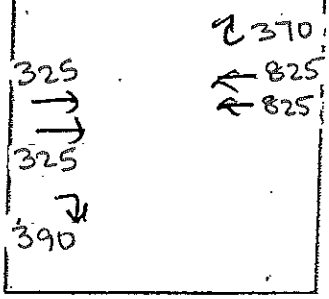
DIAGRAM AND TRAFFIC FLOWS:

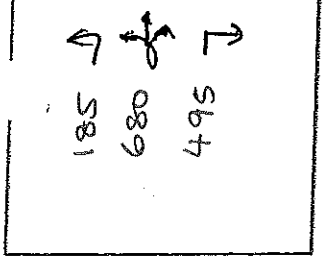




LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4





CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
825	680		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1505

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

#2

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

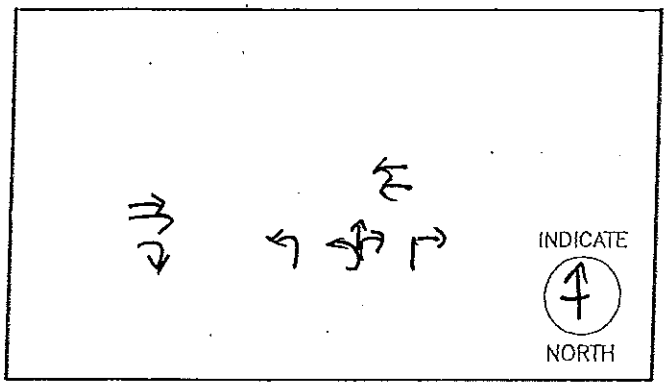
INTERSECTION I-5 NB Ramps / Via de la Valle

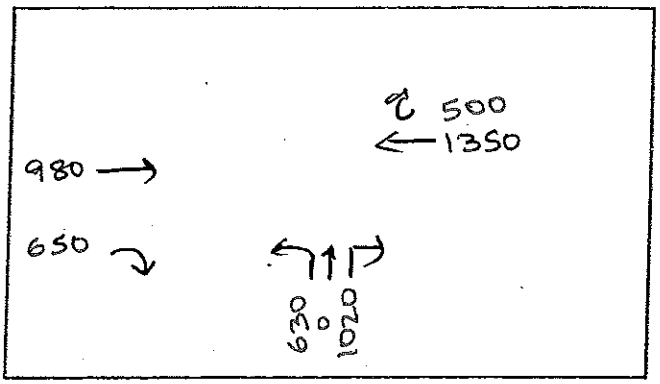
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 PM . Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
500 ↺ 675 ← 675 ← 490 → 490 → 650 ↴	315 ↰ 825 ↑ 510 ↱		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
675	825		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1500

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

#8

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

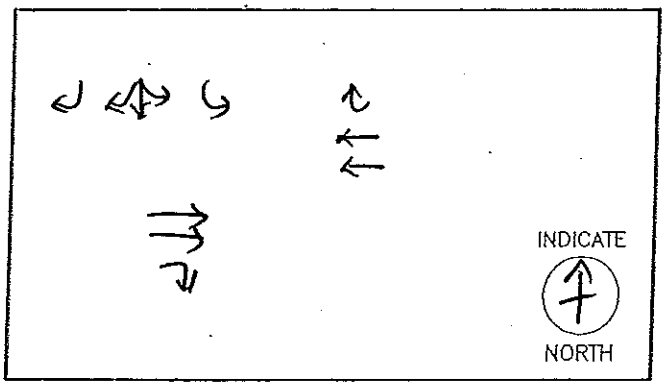
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

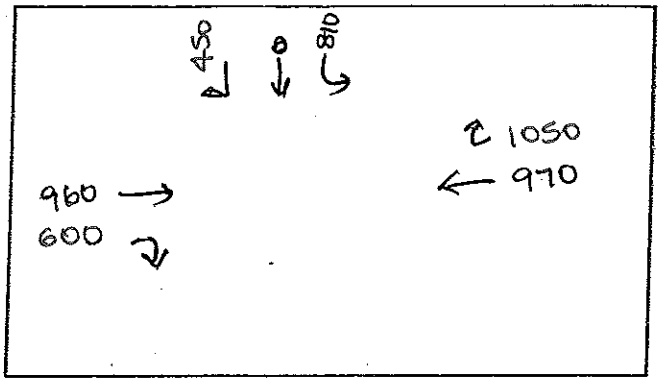
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

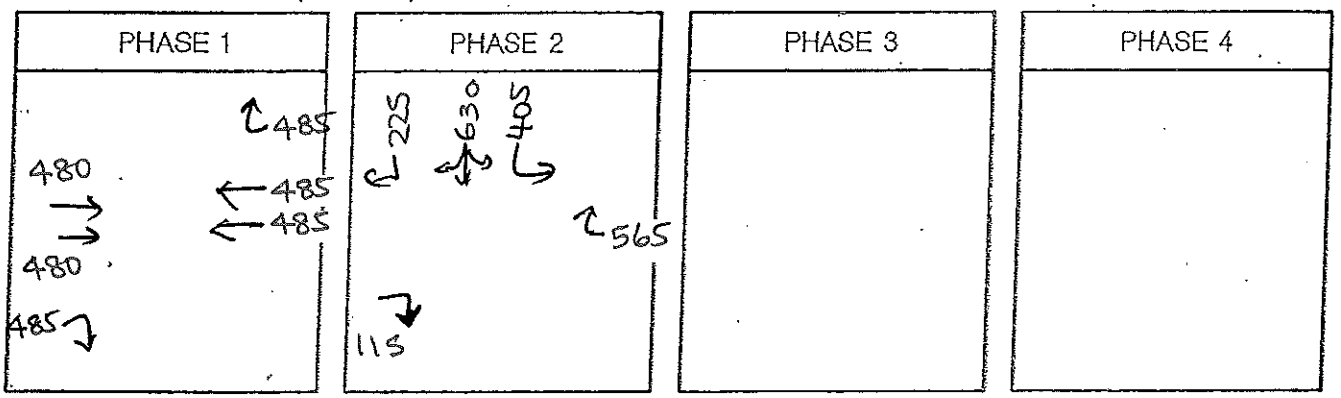
TIME 2015 [AM] PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
485	630		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1115

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Under Capacity.

#8

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

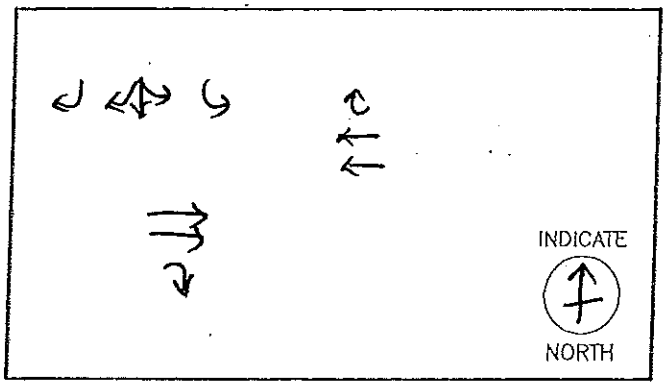
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

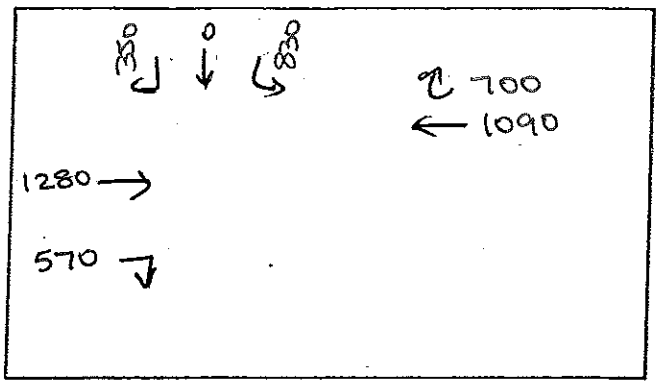
DIST. CO. RTE. P.M. 11 / J-5

BY VS DATE

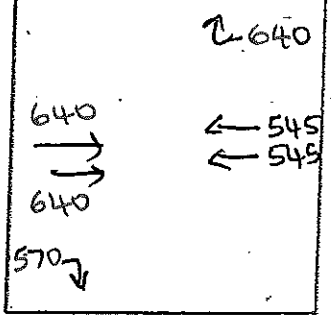
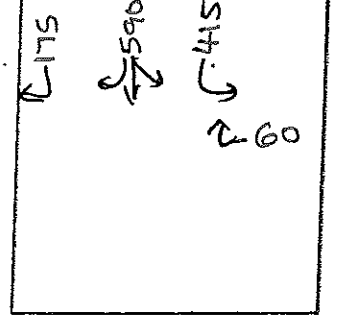
TIME 2015 AM [PM] Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
640	590		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1230

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#9

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

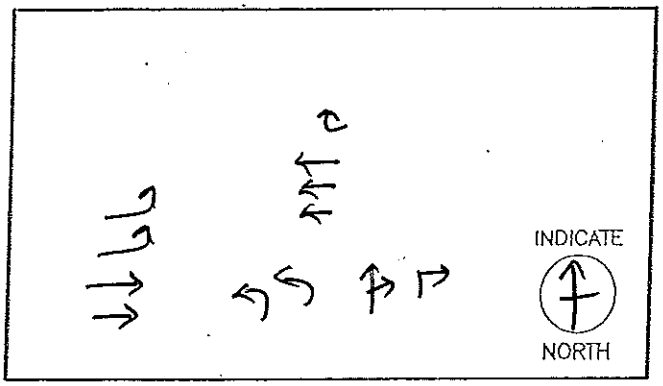
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

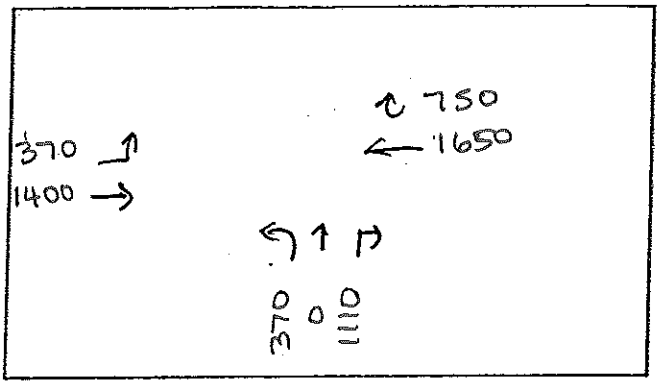
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2015 /AM/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
185 185 555 555	185 185 185 185	750 550 550 515 515 550	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
555	185	750	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1490

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#9

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

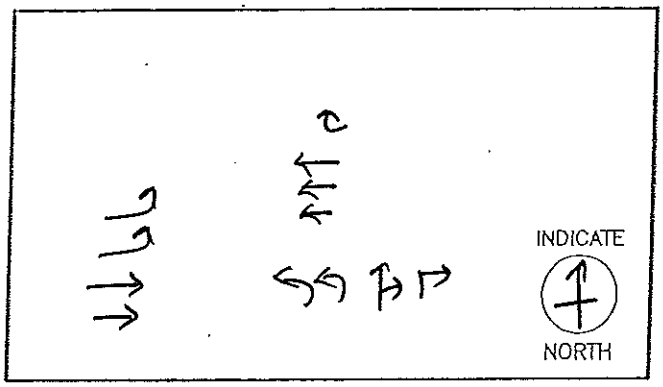
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

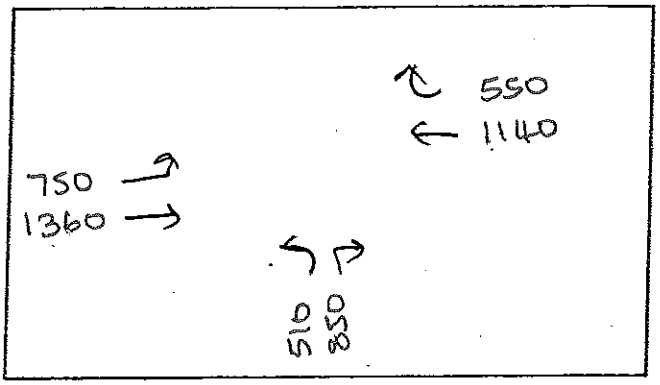
DIST. CO. RTE. P.M. 11/I-5

BY VS DATE

TIME 2015 AM/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
255 255 425 425	375 375 375 375	550 305 305 380 380 360	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	375	550	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1350

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

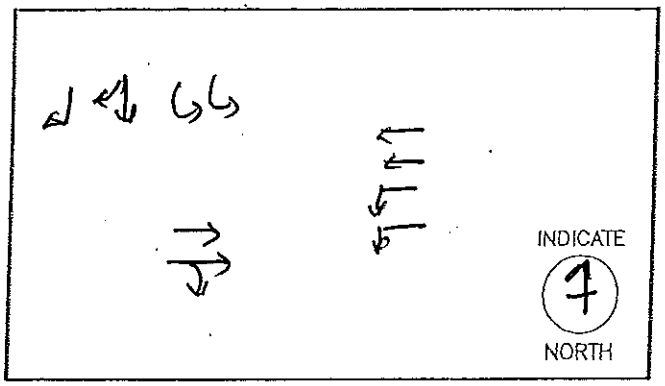
INTERSECTION I-5 SB Ramps / Carmel Valley/Rocat

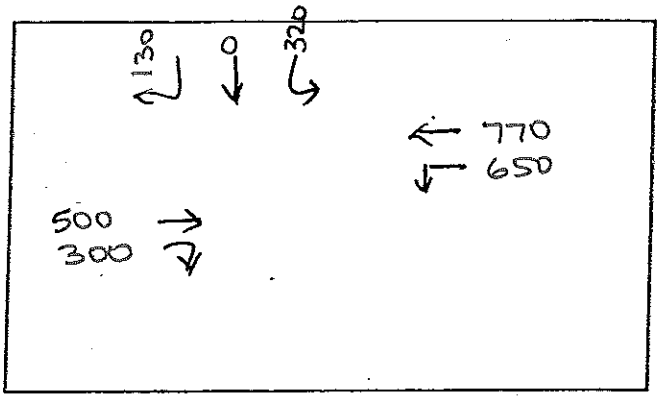
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM]/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
65 65 160 160	325 325 325 325	60 60 250 550	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
160	325	550	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1035

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: under Capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

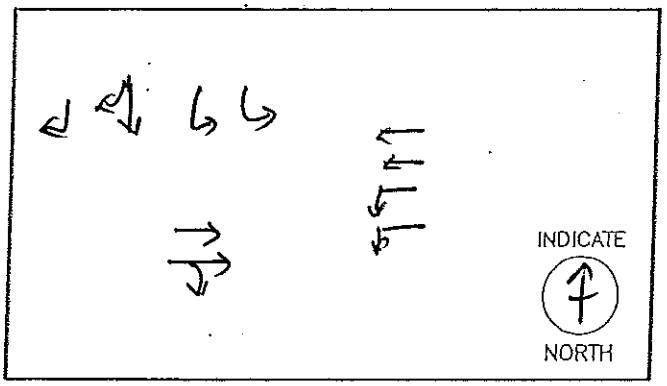
INTERSECTION I-5 SB Ramps / Carmel Valley/Rocal

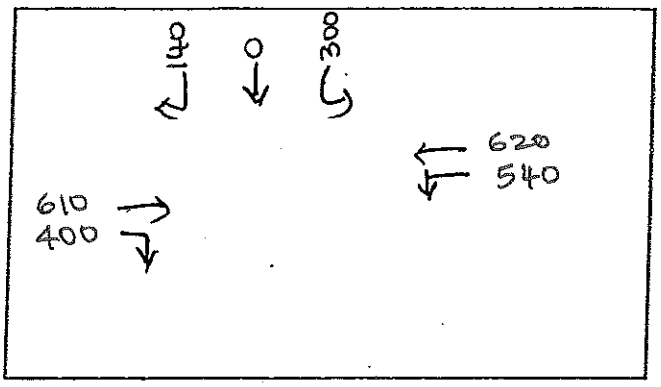
DIST. CO. RTE. P.M. 11/I-5

BY VS DATE

TIME 2015 AM/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
70 70 150 150	270 270 270 270	40 40 305 705	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
150	270	705	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1125

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

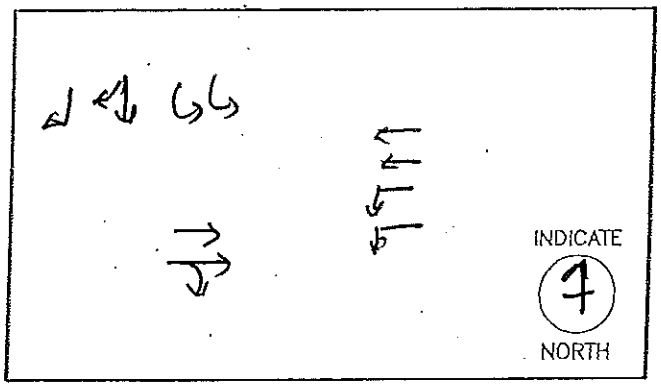
INTERSECTION I-5 SB Ramps / Carmel Valley Road

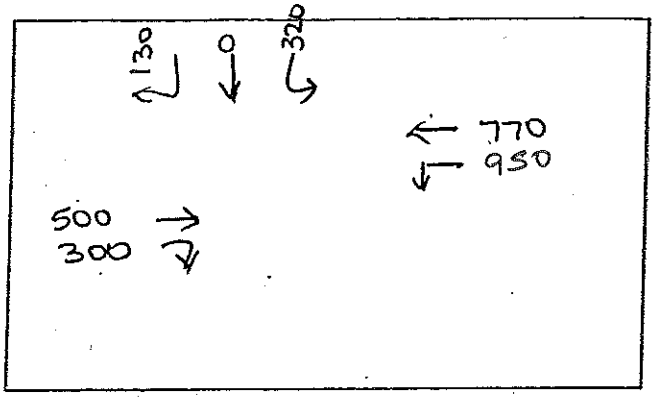
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Run CS

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
65 65 160 160	385 385 475 475	250 550	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
160	475	550	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1185

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

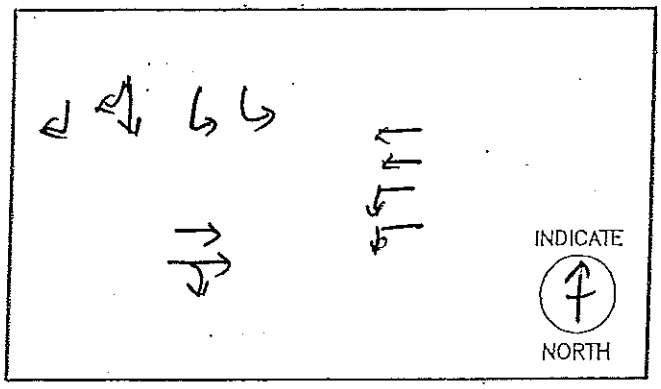
INTERSECTION I-5 SB Ramps / Carmel Valley/Rocat

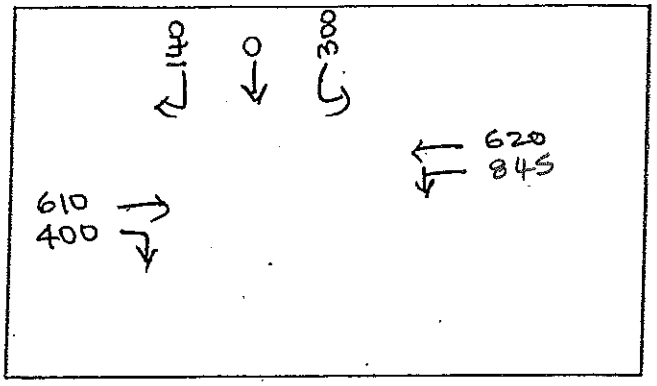
DIST. CO. RTE. P.M. 11/I-5

BY US DATE

TIME 2015 AM/PM Rum CS

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
110 70 150 150	310 310 423 422	305 705	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
150	423	705	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1278

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

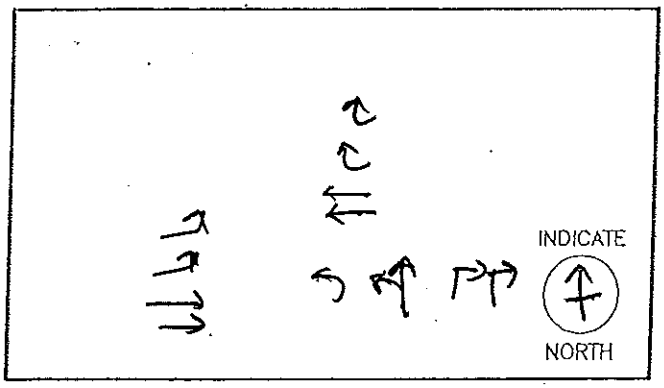
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

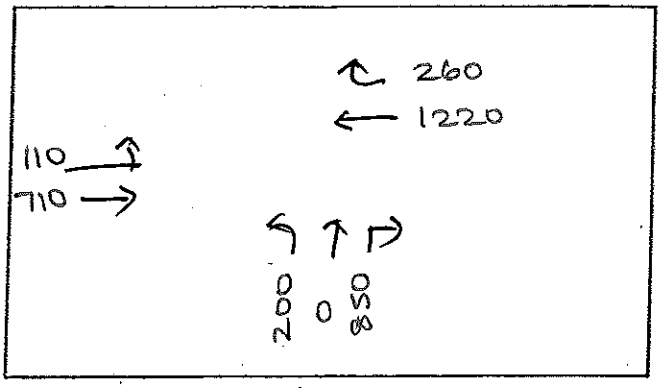
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Rem C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55 ↱ 55 ↱ 55 → 55 →	130 ↰ 130 ↰ 300 → 610 ← 610 ← 300	100 ↰ 100 ↑ 425 ↱ 425 ↱	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	610	425	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1090

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

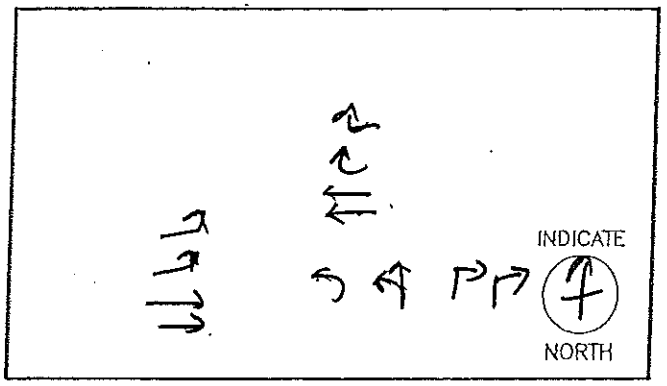
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

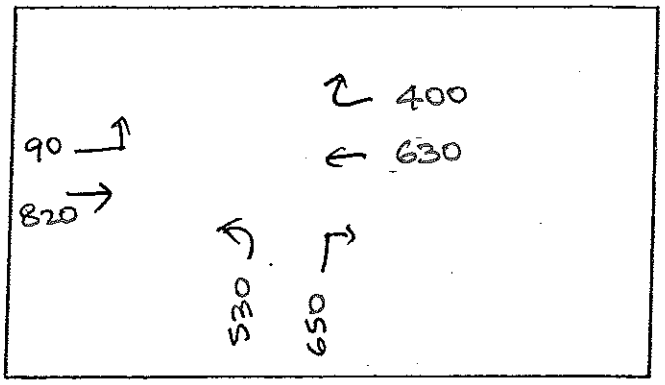
DIST. CO. RTE. P.M. 11 / I-5

BY VLS DATE

TIME 2015 AM/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45 45 45 45	200 200 315 315 365 365	265 265 325 325	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45	365	325	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
735

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

EB slip off ramp to Carmel Creek Road eliminated #25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

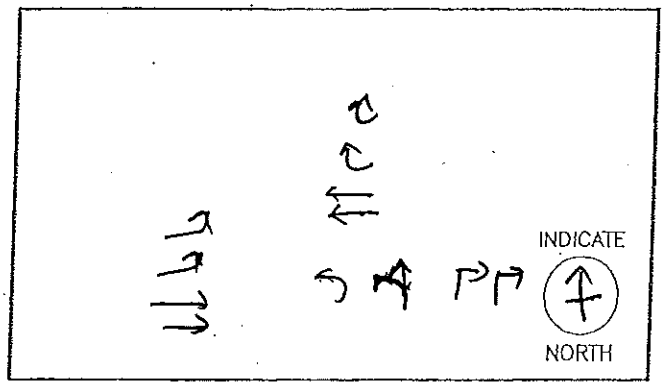
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

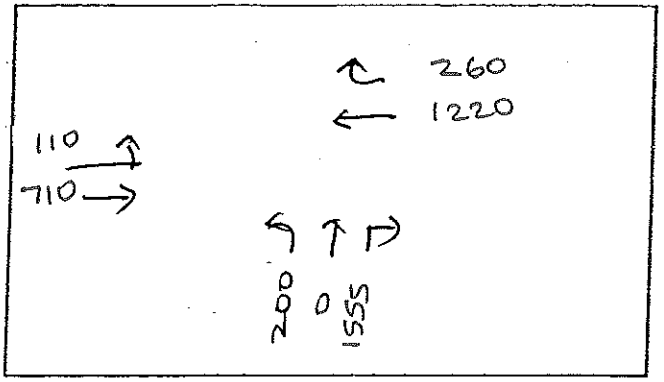
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Run C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55 ↑ 55 ↗ 55 → 55 →	↩ 130 ↑ 130 300 → ← 610 → ← 610 300	↰ ↑ ↱↱ 100 100 777	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	610	778	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1443

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

EB Slip off ramp to Carmel Creek Road eliminated.

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

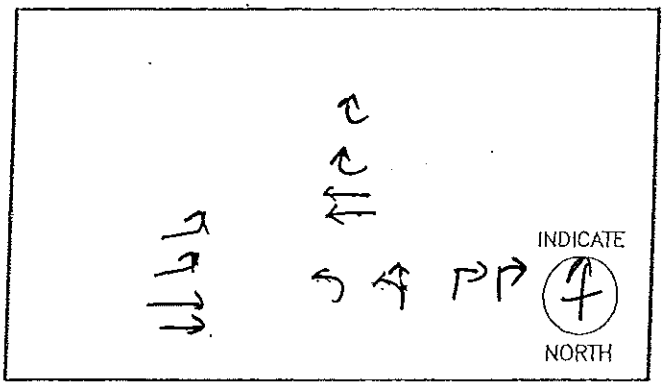
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

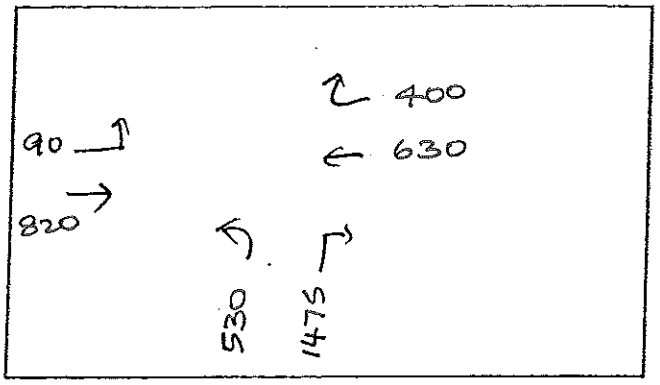
DIST. CO. RTE. P.M. 11 / I-5

BY VLS DATE

TIME 2015 AM/PM Run C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45 45 45 45	200 200 315 315 365 365	265 265 738 737	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45	365	738	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1148

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

NB Slip ramp to EB Carmel Creek Road + WB C-D between Carmel Creek Rd and ECR.

INTERSECTION #25

Signalized Intersection
CAPACITY ANALYSIS

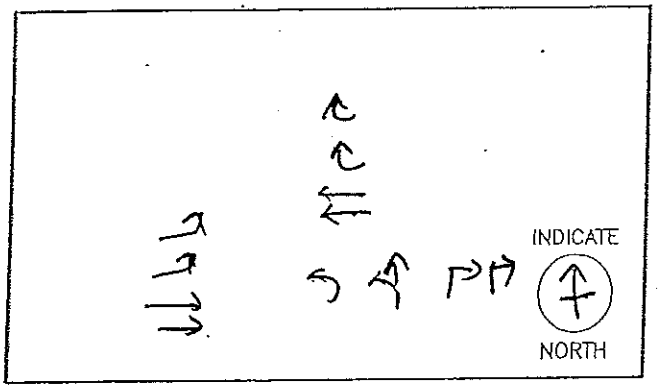
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

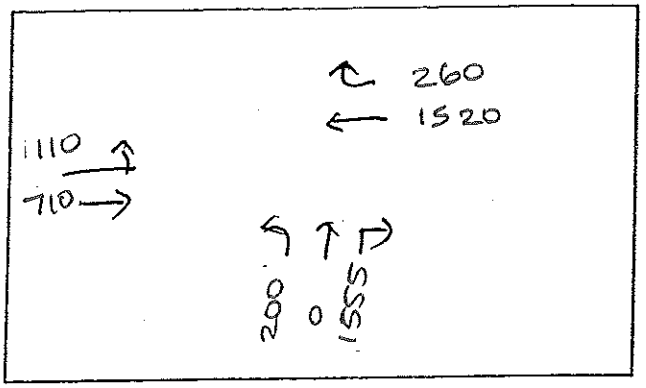
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 [AM] PM Run C5

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55 55 55 55	130 130 760 760 300 300	81 81 778 777	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	760	778	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1593

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: over capacity

#28

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

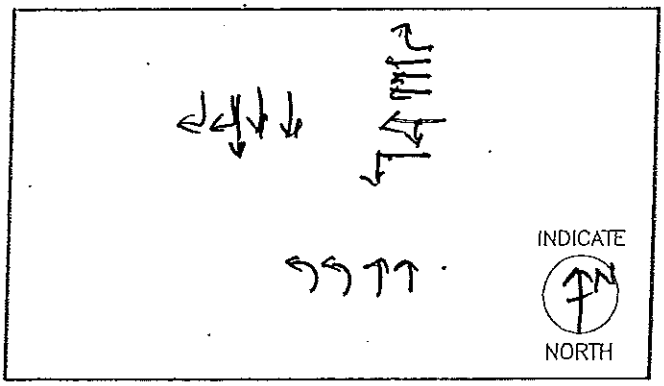
INTERSECTION SR 56 WB Ramps / El Camino Real

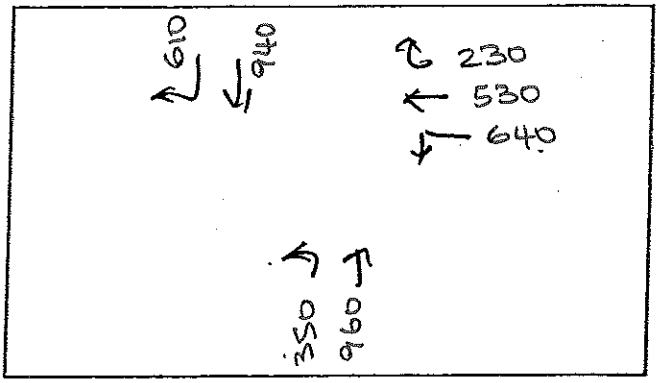
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

TIME 2015 / AM PM Rem C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 ↱ 132 ← 132 ← 133 ← 453 ↰ 320 ↓	175 SL 175 SL 175 SL	305 ↓ 305 ↓ 470 ↓ 470 ↓ 305 ↑ 305 ↑	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
453	175	470	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1098

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#28

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

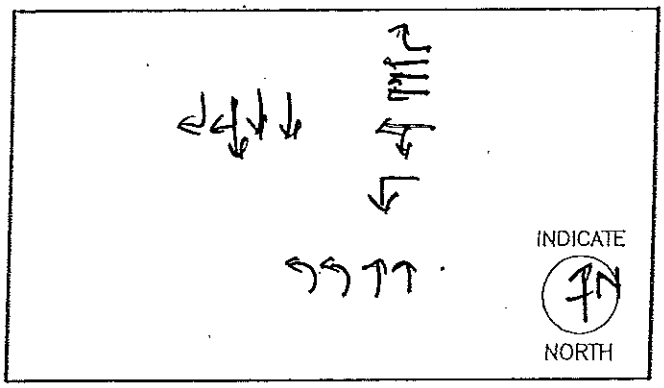
INTERSECTION SR56 WB Ramps / El Camino Road

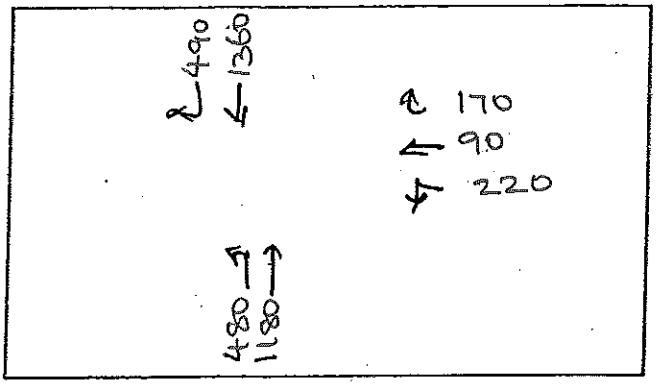
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE

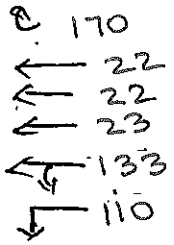
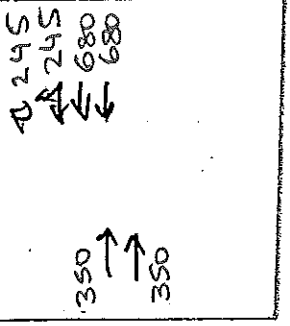
TIME 2015 AM/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
170	240	680	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1090

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

With WB C-D between Carmel Creek Road and El Camino Real.

INTERSECTION #28

Signalized Intersection
CAPACITY ANALYSIS

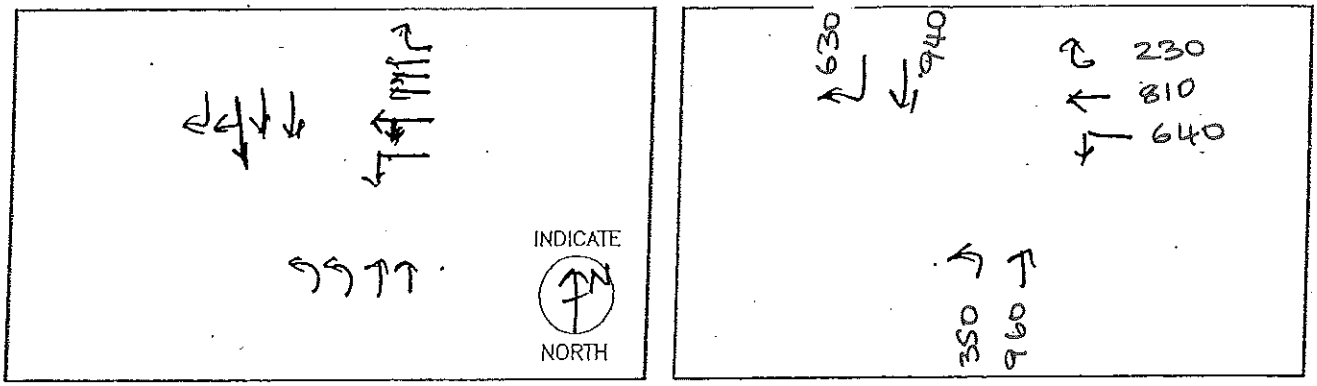
INTERSECTION SR 56 WB Ramps / El Camino Real

DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2015 / AM PM Rem. CS

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 202 202 203 523 320	175 175 175 175	315 629 313 313 305 305	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
523	175	629	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1327

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

With WB C-D between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

#28

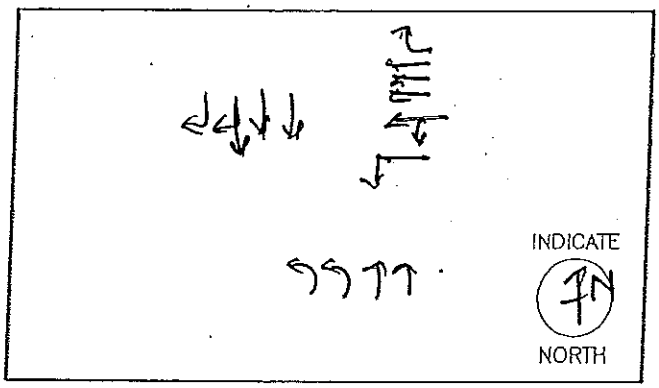
INTERSECTION SR56 WB Ramps / El Camino Real /

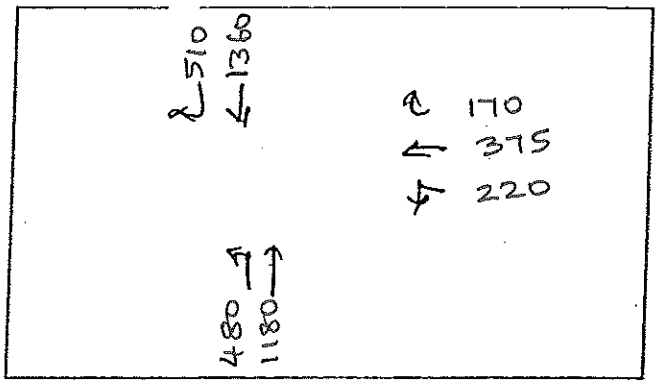
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE

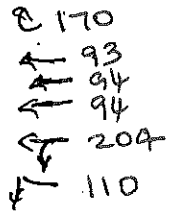
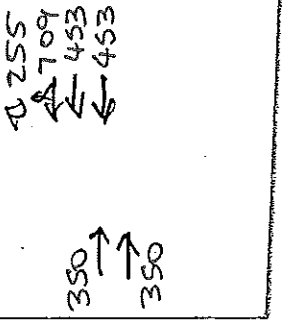
TIME 2015 AM (PM) Rum C5

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
204	240	709	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1152

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

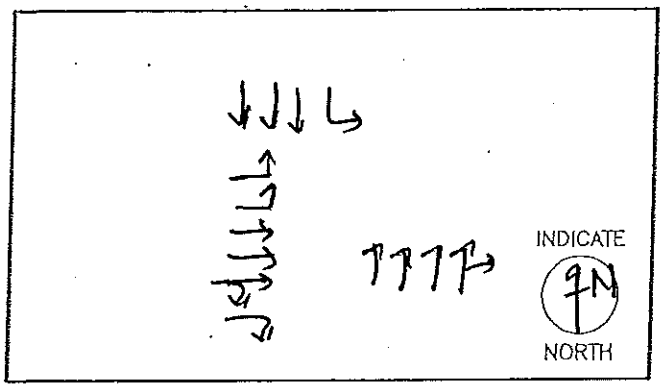
INTERSECTION SR 56 EB Ramps / El Camino Real

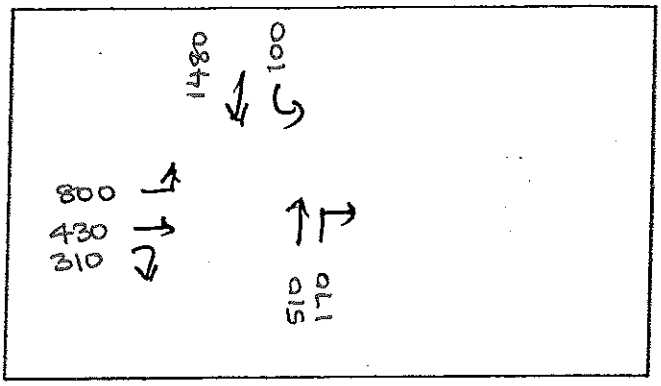
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 AM PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 ↱ 400 ↱ 143 → 143 → 299 ↱ 155 ↓	100 100 100 100 ↓↓↓↳	393 393 394 ↓↓↳ 127 127 128 298 ↑↑↑↱	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400	100	394	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
894

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

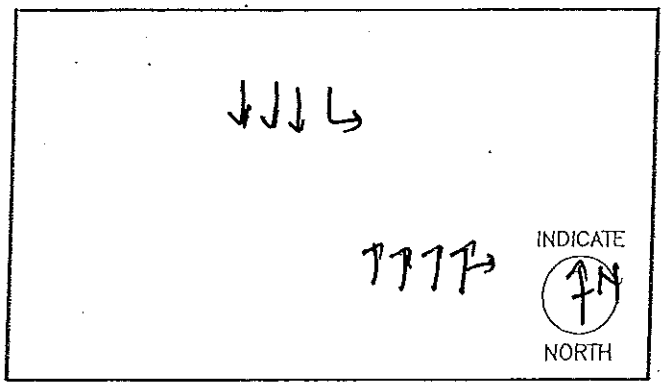
INTERSECTION SR 56 EB Ramps / El Camino Real

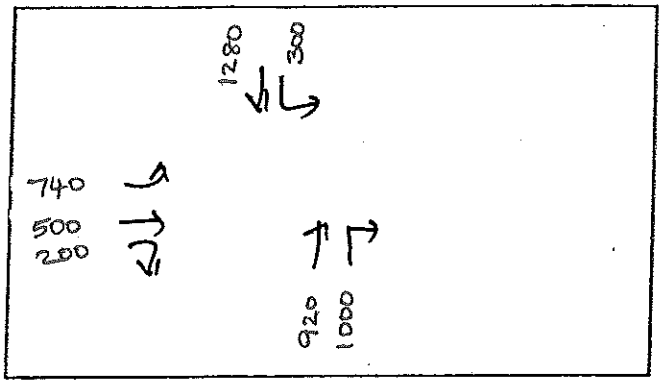
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

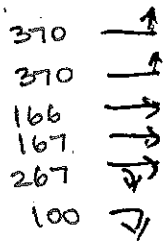
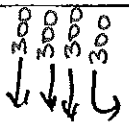
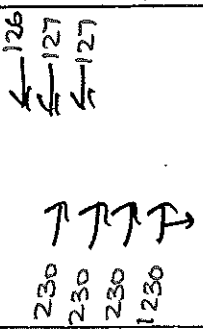
TIME 2015 AM/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
370	300	1230	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1900

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

No EB Slip Ramps to Carmel Creek Road. #29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

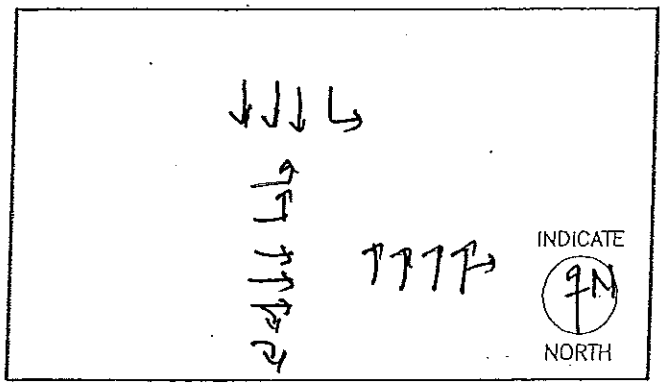
INTERSECTION SR 56 EB Ramps / El Camino Real

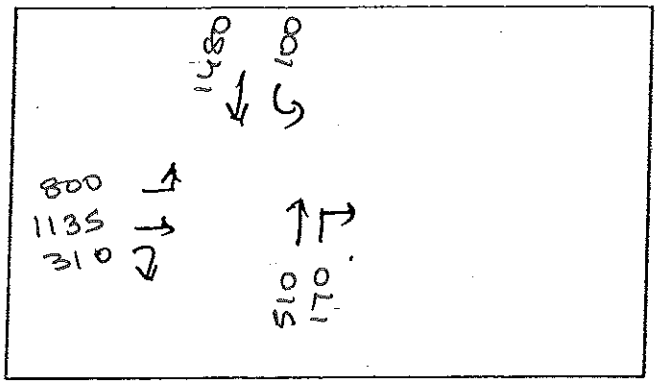
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

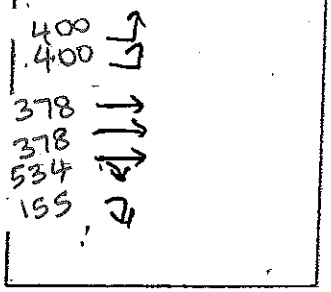
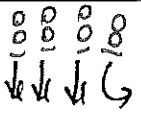
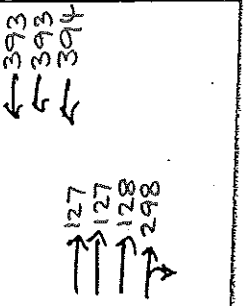
TIME 2015 (AM) PM Run C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
534	100	394	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1028

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ . 1500 ILV/HR (CAPACITY)

REMARKS: under capacity

No EB slip ramp to Carmel Creek Road.

INTERSECTION #29

Signalized Intersection
CAPACITY ANALYSIS

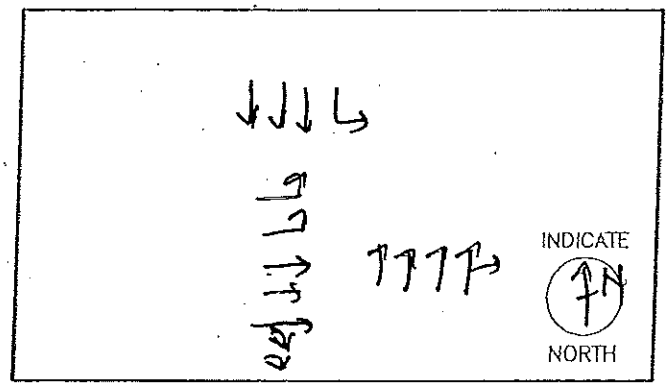
INTERSECTION SR 56 EB Ramps / El Camino Real

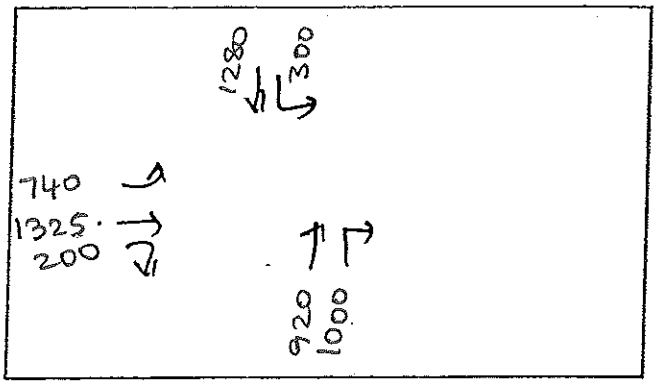
DIST. CO. RTE. P.M. 11 / SR 56

BY VG DATE

TIME 2015 AM/PM Run C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
370 370 441 442 542 100	300 300 300 300	126 127 127 230 230 230 1230	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
542	300	1230	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
2072

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

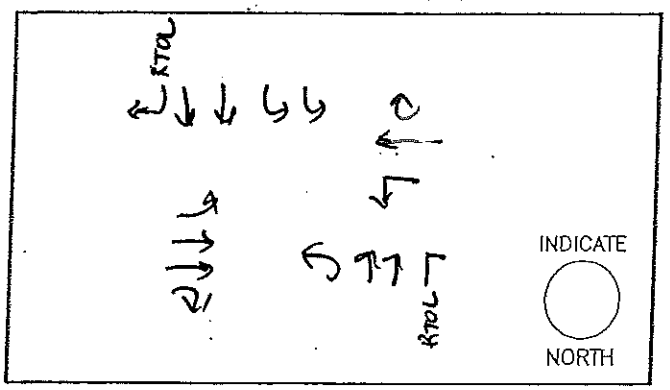
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

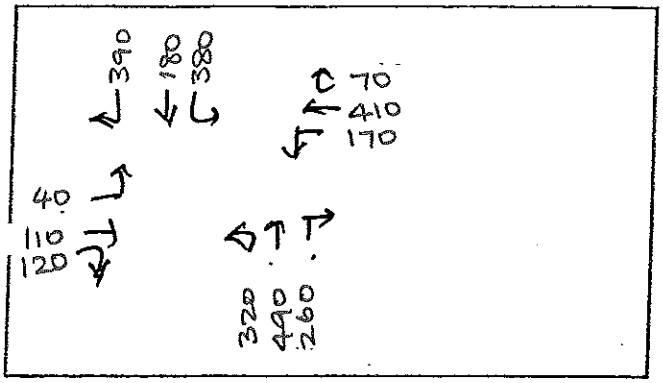
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

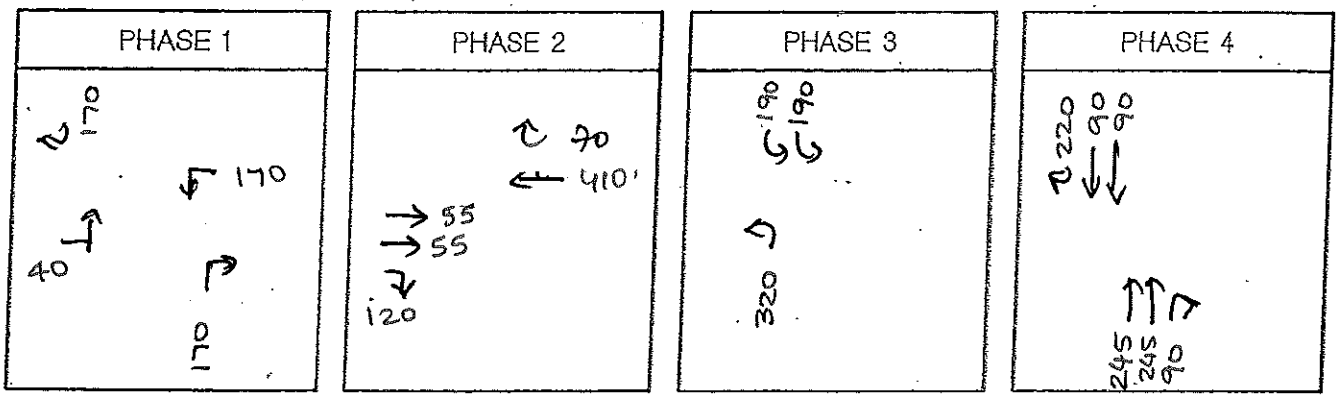
TIME 2015 AM Rum C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
170	410	320	245

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1145

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

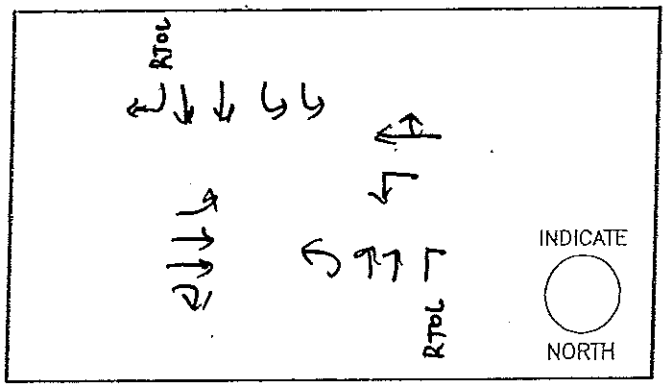
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

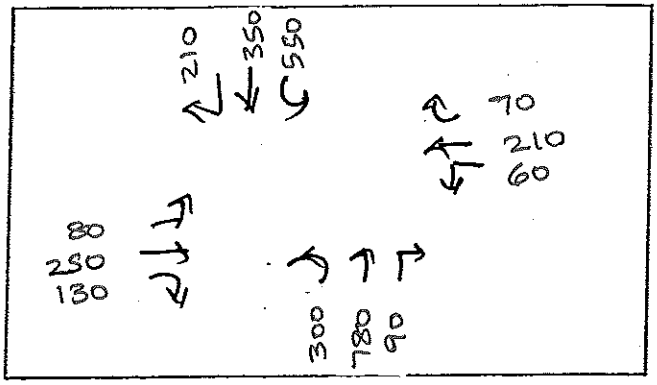
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

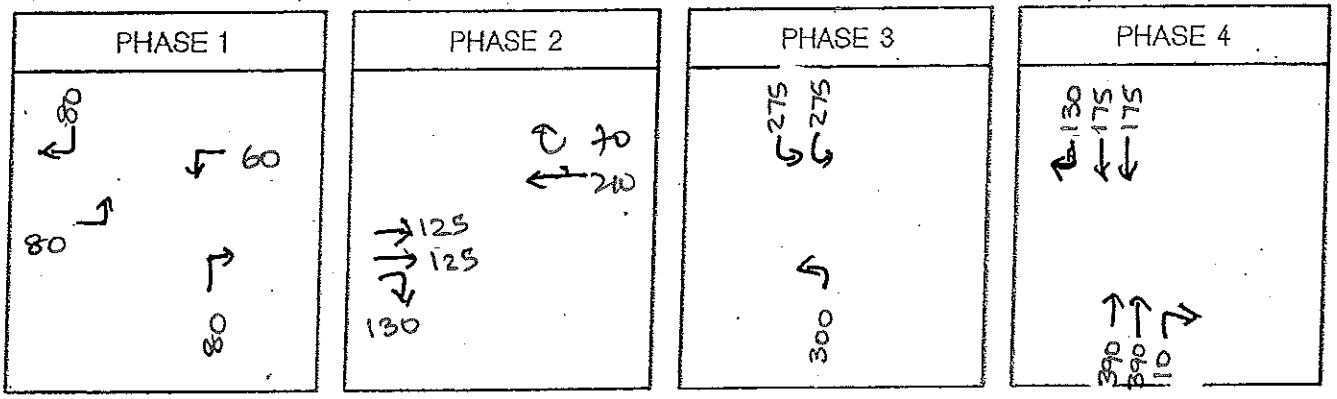
TIME 2015 PM 2030 Rum C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
80	210	300	390

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
980

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

No EB slip off-ramp. #30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

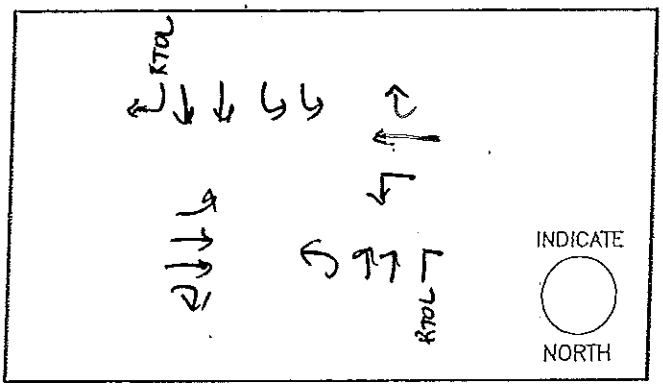
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

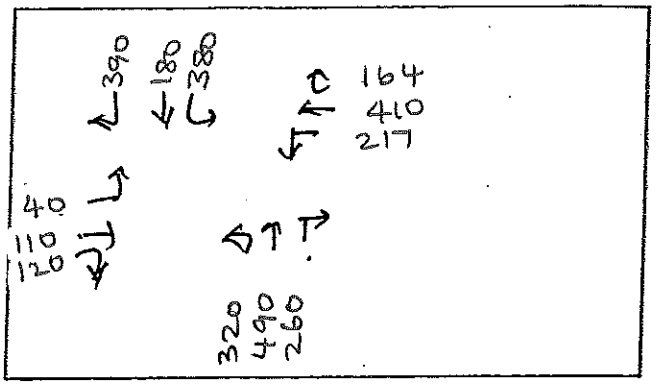
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

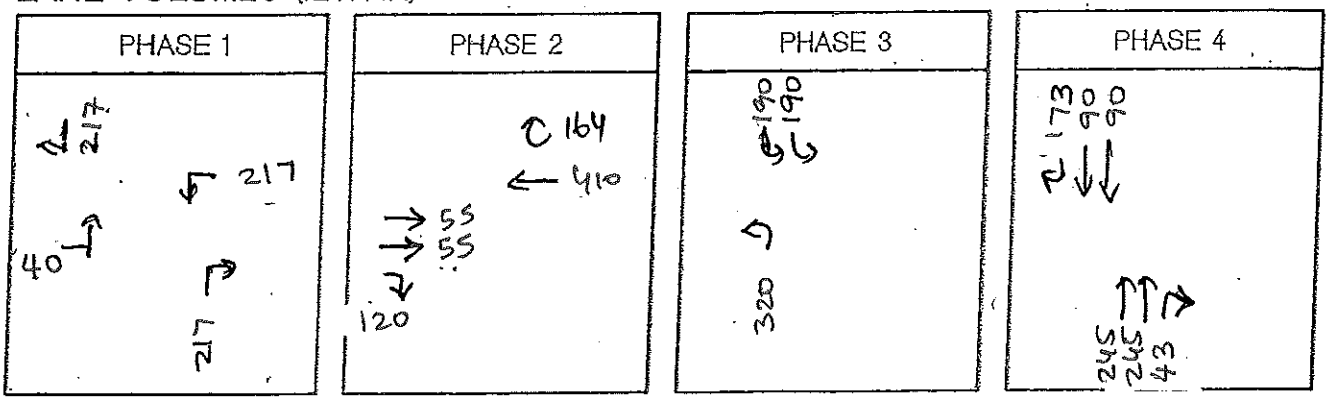
TIME 2015 AM Rm C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
217	410	320	245

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1192

IS . . .

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS. Under capacity.

No EB Slip ramp at Carmel Creek Road.

#30

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

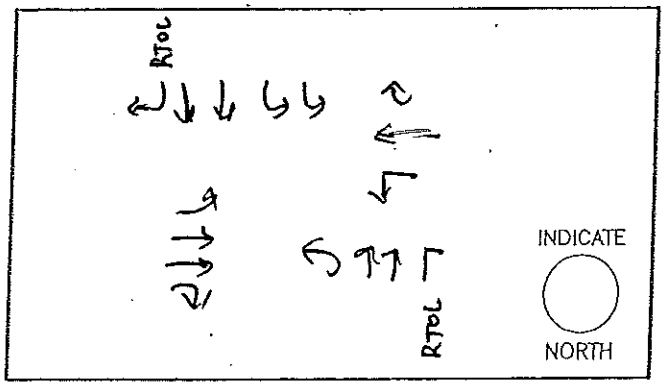
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

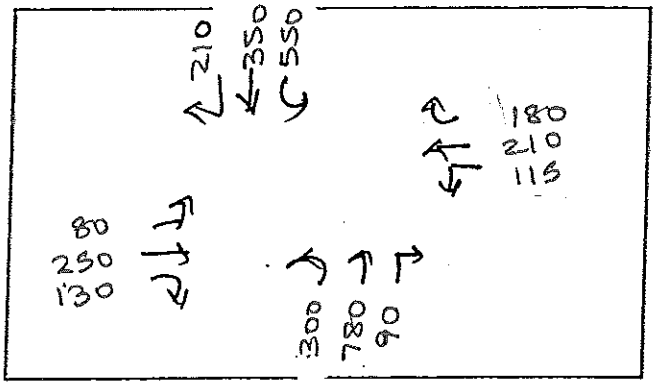
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

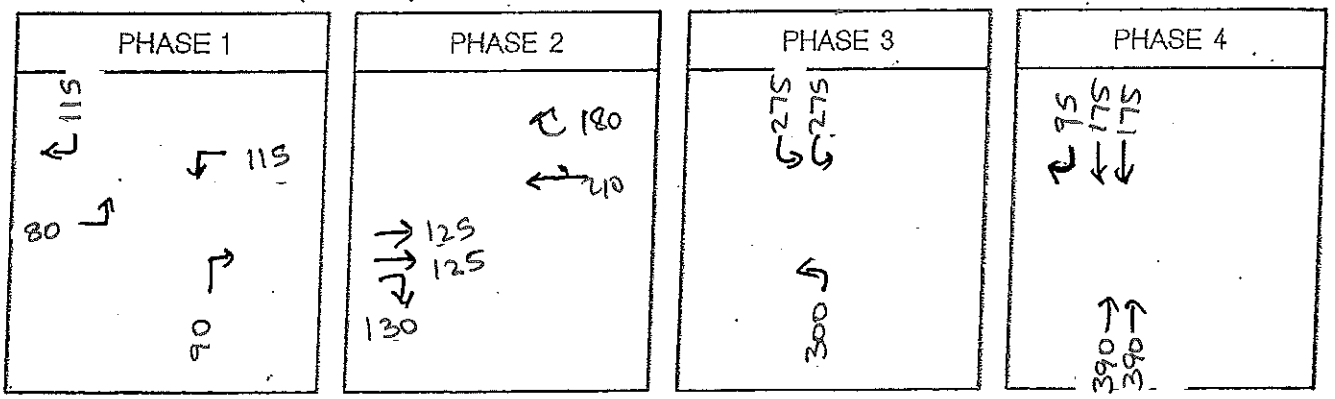
TIME 2015 PM 2030 Rum C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
115	210	300	390

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1015

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: under capacity

#30

No EB slip t with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

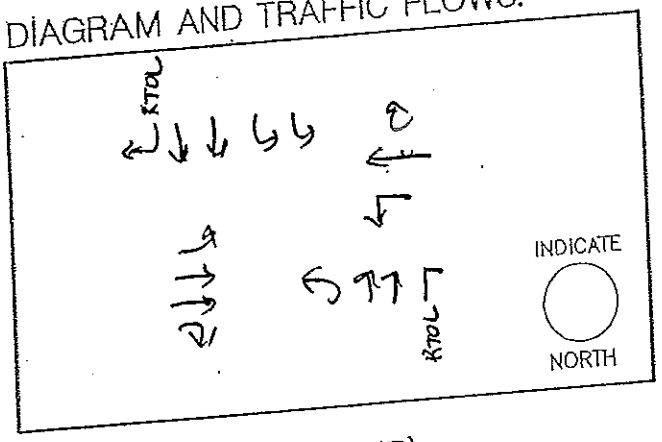
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

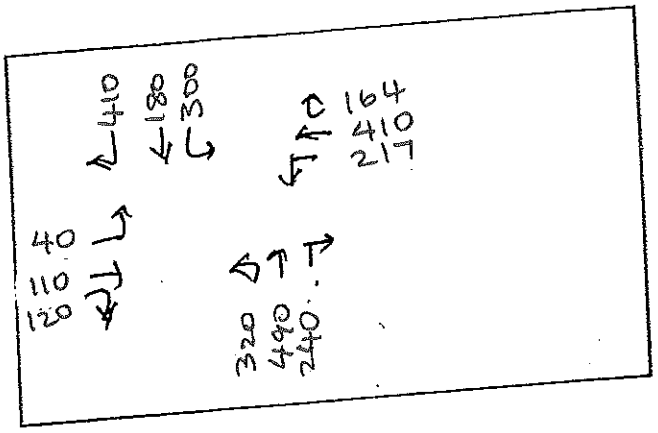
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

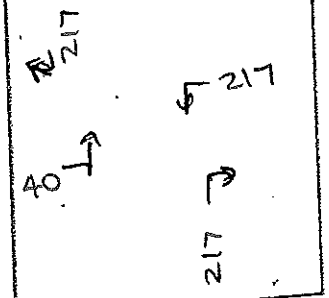
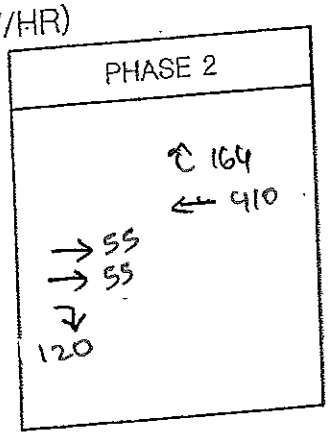
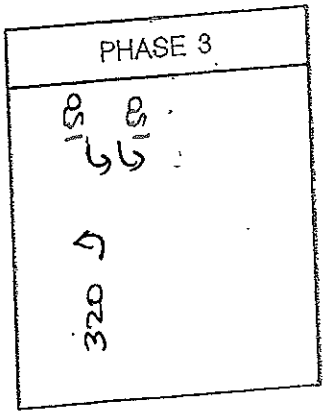
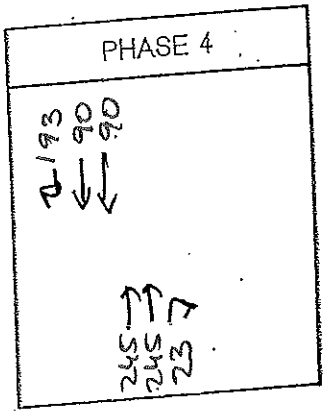
TIME 2015 AM Run C5

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
217	410	320	245

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1192

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#30

No AB Slip + With WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

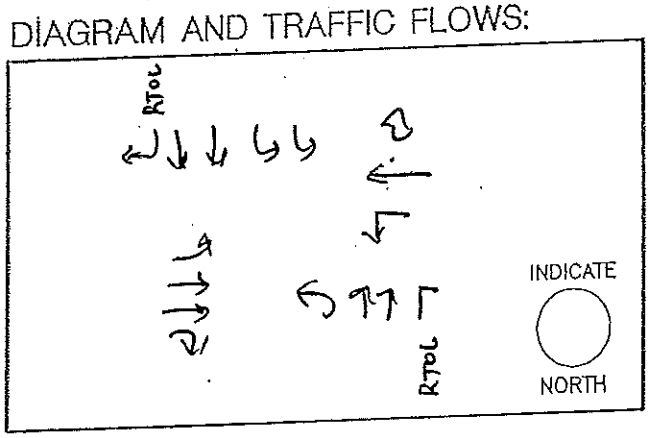
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

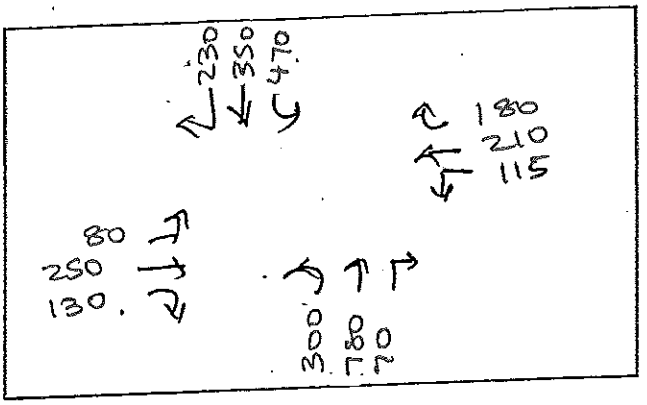
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

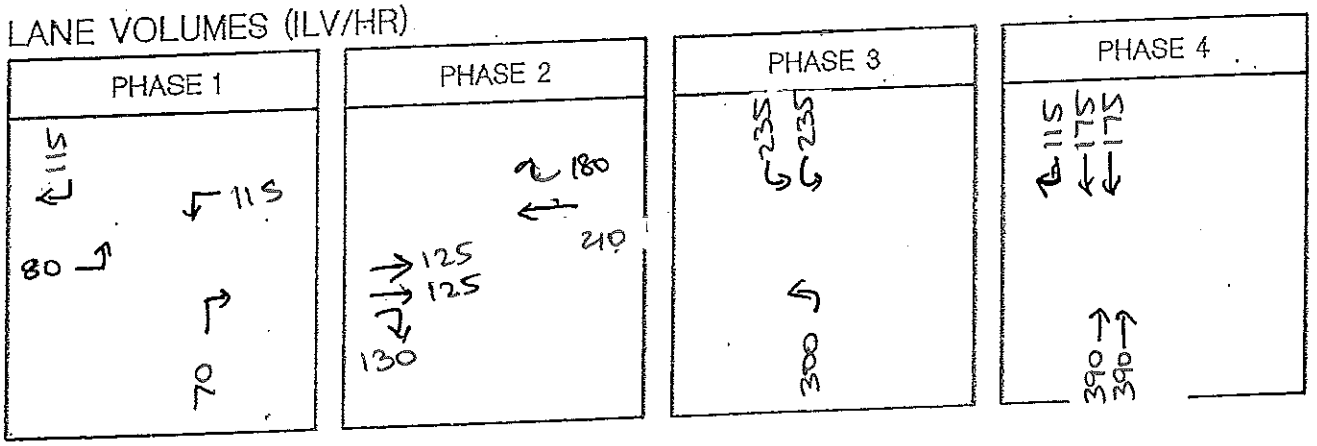
TIME 2015 PM 2030 Rum C5

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
115	210	300	390

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1015

IS . . .

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

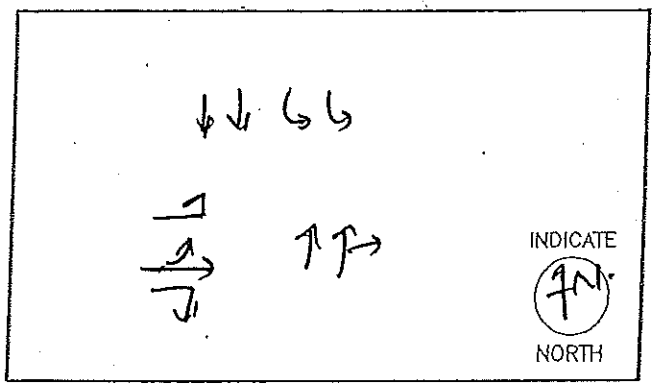
INTERSECTION SR 52 EB Ramps / Carmel Creek Road.

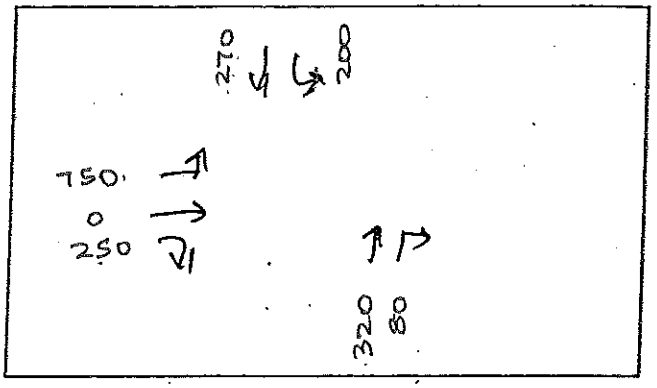
DIST. CO. RTE. P.M. 11 / SR 52

BY VS DATE

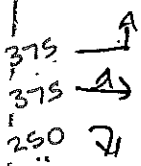
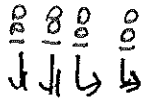
TIME 2015 AM PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
375	100	240	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
715

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

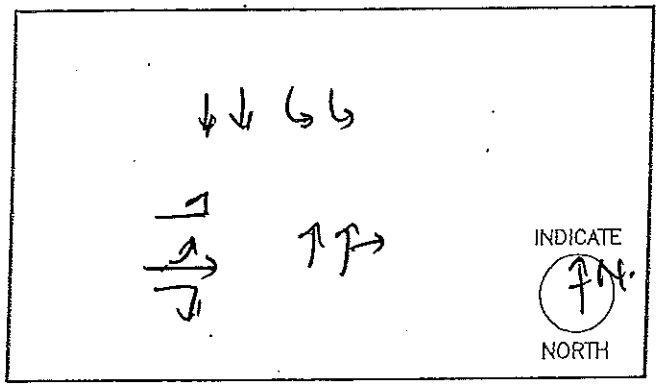
INTERSECTION SR 56 EB Ramps / Carmel Creek Road

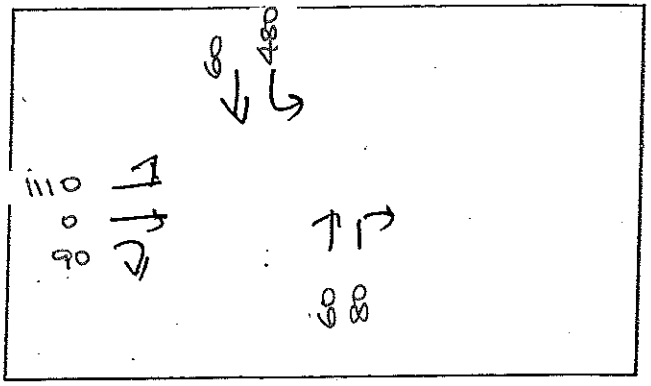
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2015 AM PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
555 555 90	30 30 240 240	300 110	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
555	240	110	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
905

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#31

No EB diramp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

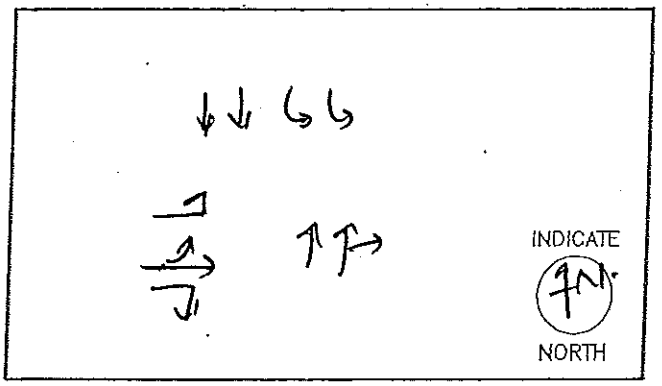
INTERSECTION SR EB Ramps / Carmel Creek Road.

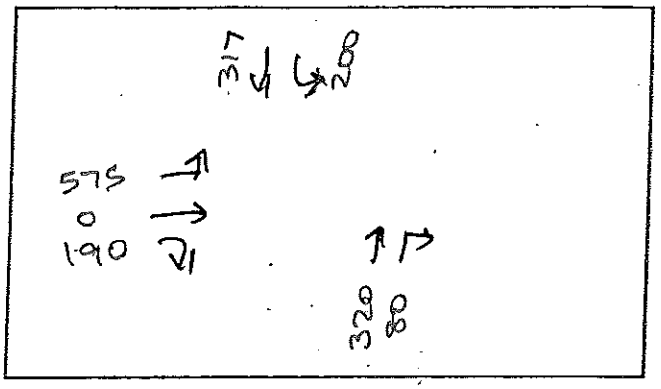
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2015 AM PM Run C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
287 288 190	8 8 8 8	58 59 160 240	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
288	100	240	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
628

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#31

No EB Hip ramp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

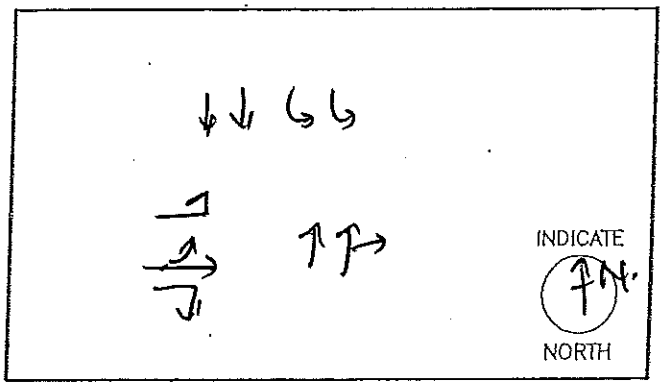
INTERSECTION SR EB Ramps / Carmel Creek Road.

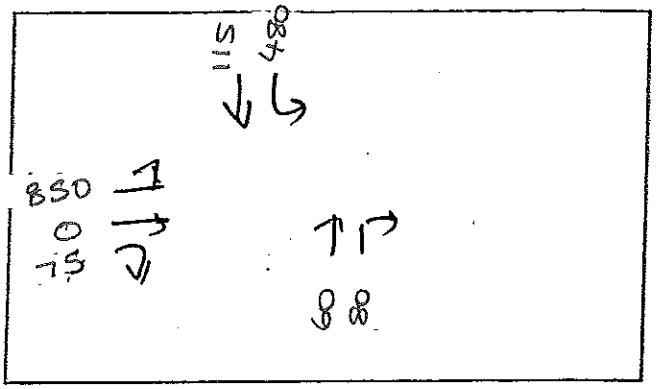
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE /

TIME 2015 AM / PM Run C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425 425 75	57 58 240 240	30 110	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	240	110	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
775

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

No EB Slip + With WB C-D

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

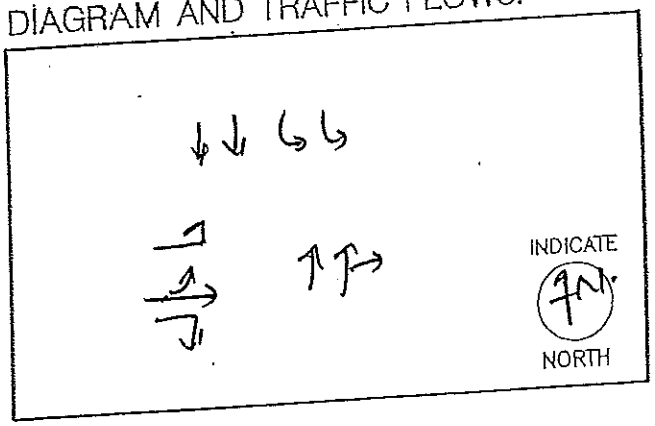
INTERSECTION SR EB Ramps / Carmel Creek Road.

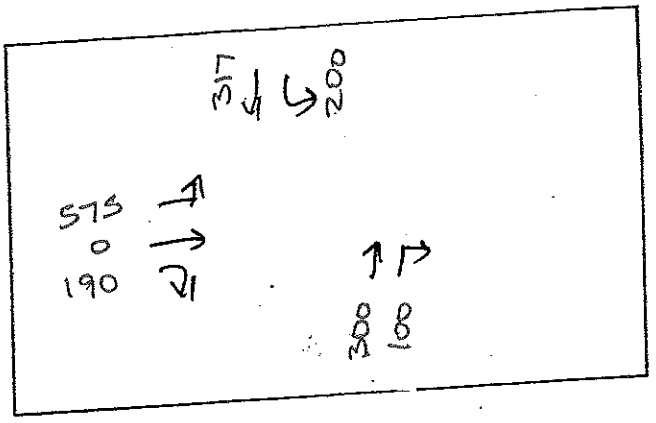
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2015 AM PM Run C5

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
287 288 190	100 100 100 100	58 59 150 250	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
288	100	250	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
638

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

No EB Slip + with WB C-D

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

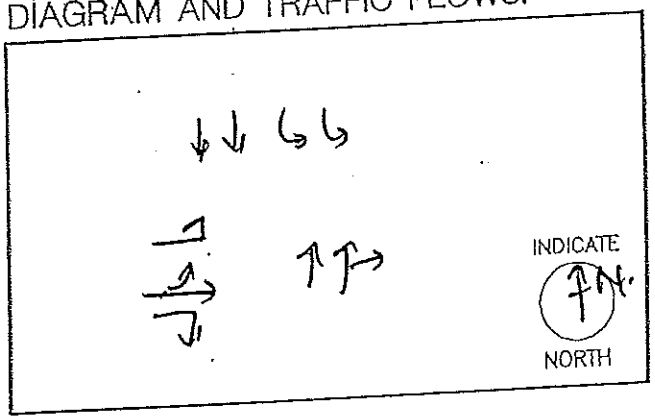
INTERSECTION SR EB Ramps / Carmel Creek Road.

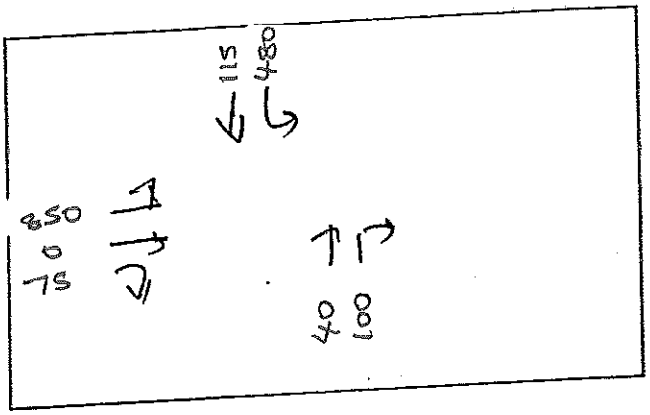
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE

TIME 2015 AM/PM Run C5

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425 425 75	55 85 220 210	29 120	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	240	120	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
785

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

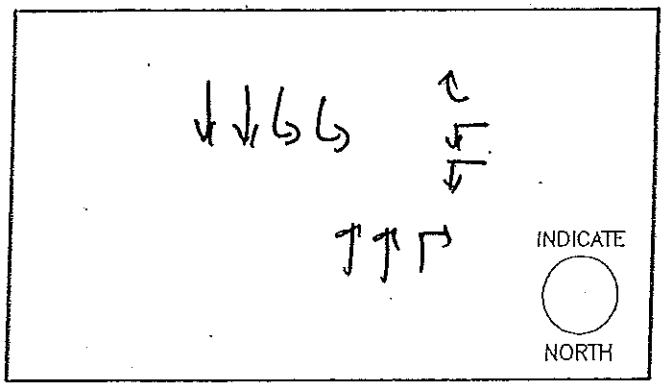
INTERSECTION Carmel Country Road / SR56 WB Ramps

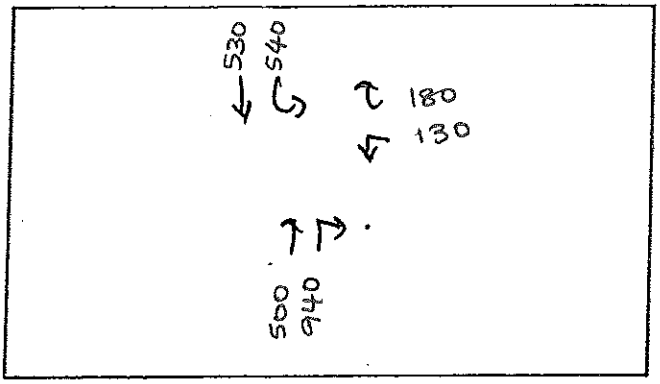
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

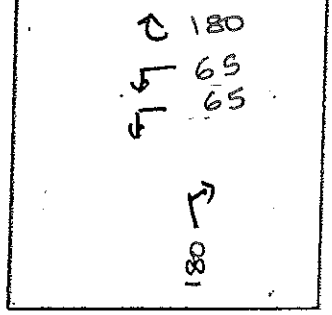
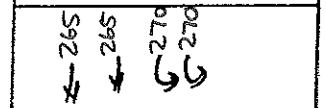
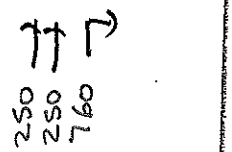
TIME 2015 AM PM Rem e

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
180	270	760	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1210

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

#33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

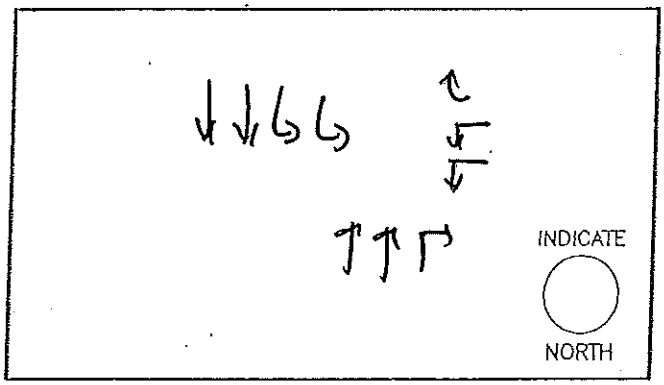
INTERSECTION Carmel Country Road / SR56 WB Ramps

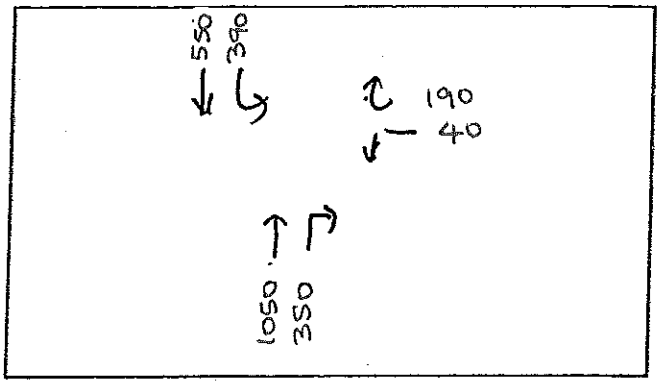
DIST. CO. RTE. P.M. 11/SR56

BY VL DATE

TIME 2015 AM/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
190 20 20 190	195 195 195 195	80 80 525 525 160	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
190	195	525	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
910

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

#33

No EB Slip ramp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

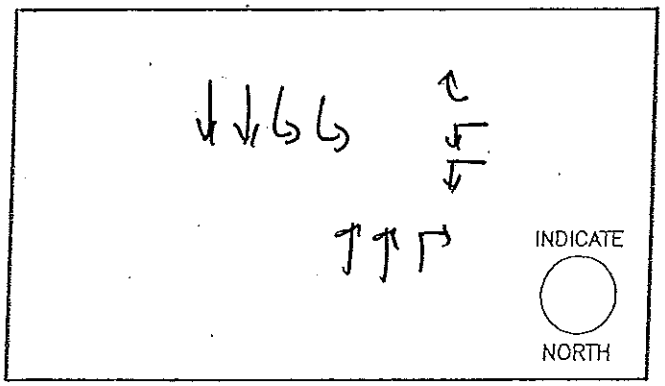
INTERSECTION Carmel Country Road / SR56 WB Ramps

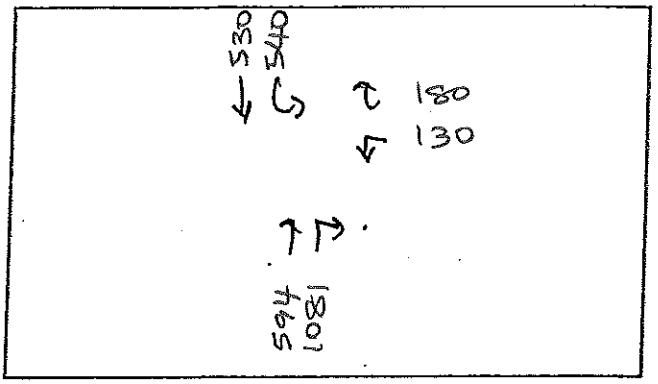
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

TIME 2015 AM PM Rem C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
180 65 65 180	265 265 270 270	297 297 901	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
180	270	901	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1351

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

No EB slip ramp.

#33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

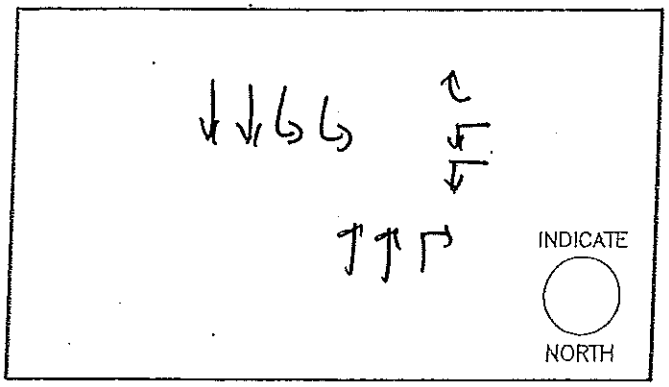
INTERSECTION Carmel Country Road / SR56 WB Ramps

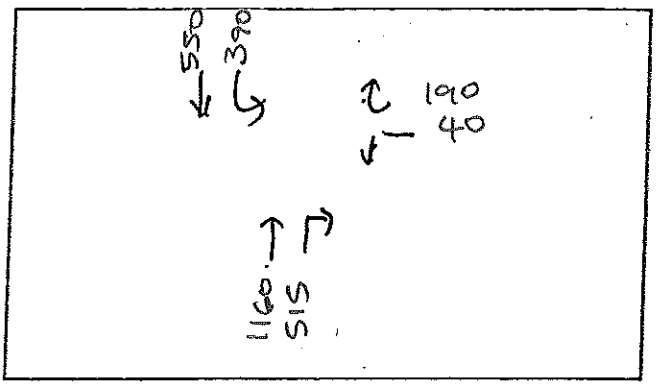
DIST. CO. RTE. P.M. 11/SR56

BY VE DATE

TIME 2015 AM/PM Rm C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
190 20 20 190	195 195 195 195	580 580 580 580 325	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
190	195	580	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
965

IS . . .

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#33

No EB slip + with WB G-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

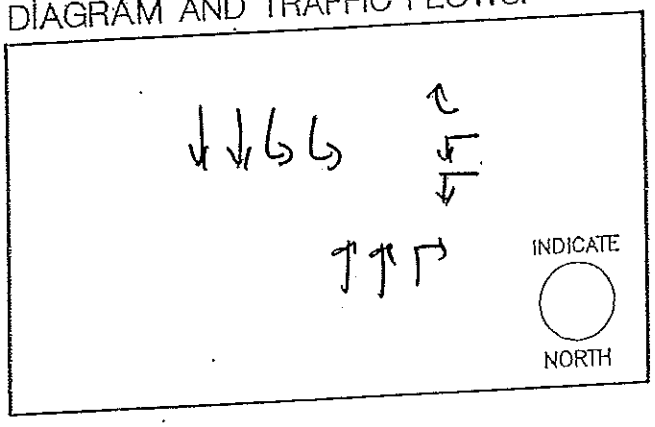
INTERSECTION Carmel Country Road / SR56 WB Ramps

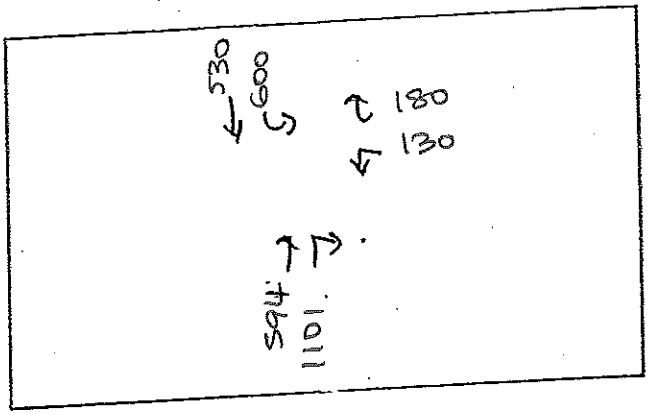
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2015 AM PM Rem C5

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
180 65 65 180	265 269 300 300	297 297 921	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
180	300	921	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1401

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

No EB Slip + With WB C→D

#33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

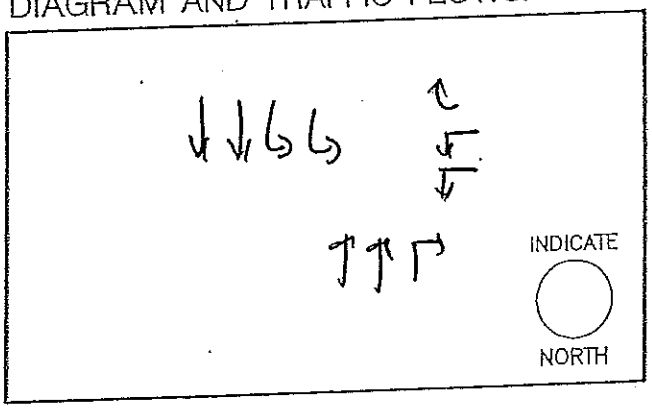
INTERSECTION Carmel Country Road / SR56 WB Ramps

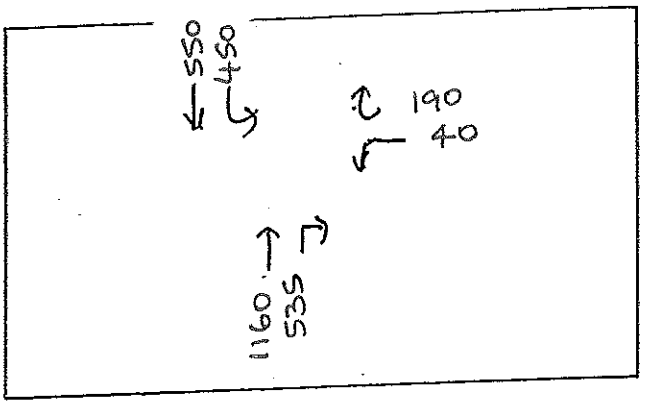
DIST. CO. RTE. P.M. 11/SR56

BY VL DATE

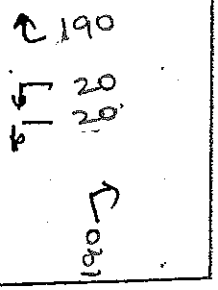
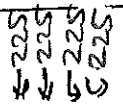
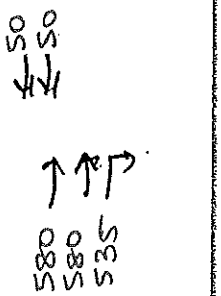
TIME 2015 AM/PM Run CS

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
190	225	580	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
995

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

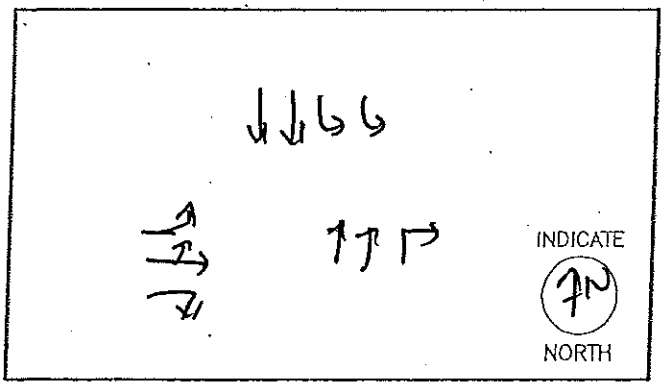
INTERSECTION SR56 EB Ramps / Carmel Country Road

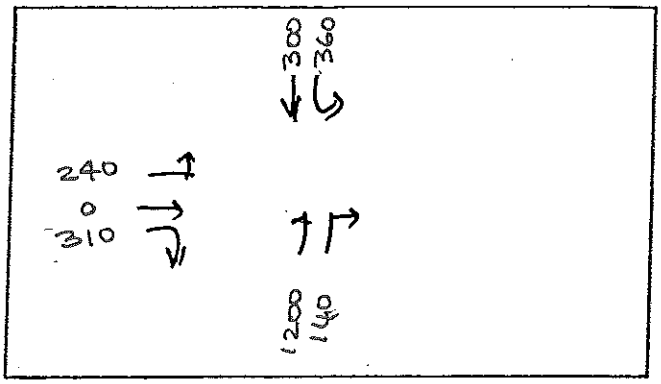
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 (AM) PM Rm C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
120 ↑ 120 ↗ 310 ↘	150 ↓ 150 ↓ 180 ↳ 180 ↳	600 ↑ 600 ↑ 140 ↱	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
310	180	600	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1090

IS . . . ☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

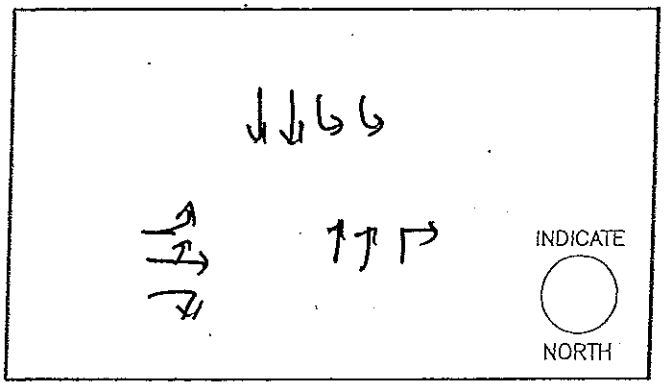
INTERSECTION SR56 EB Ramps / Carmel Country Road

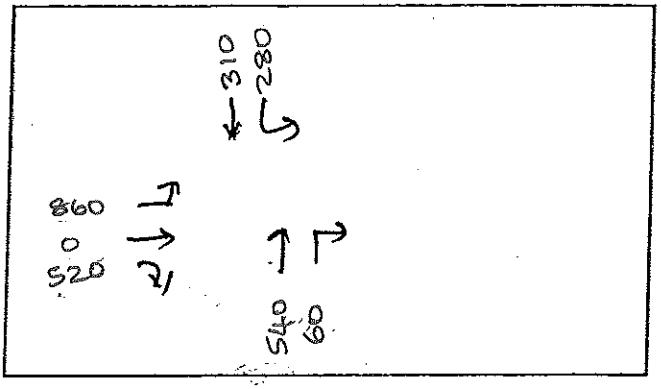
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2015 AM/PM Rev C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
430 ↱ 430 ↳ 520 ↓	140 ↓ 140 ↓ 140 ↳ 140 ↳	15 ↓ 15 ↓ 270 ↑ 270 ↑ 60 ↱	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
520	140	270	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
930

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#34

No EB ramps.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

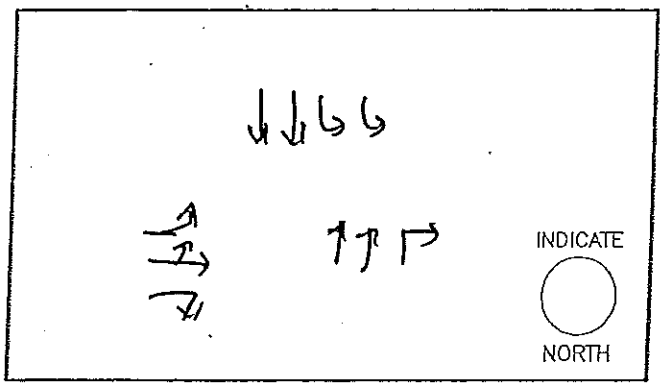
INTERSECTION SR56 EB Ramps / Carmel Country Road

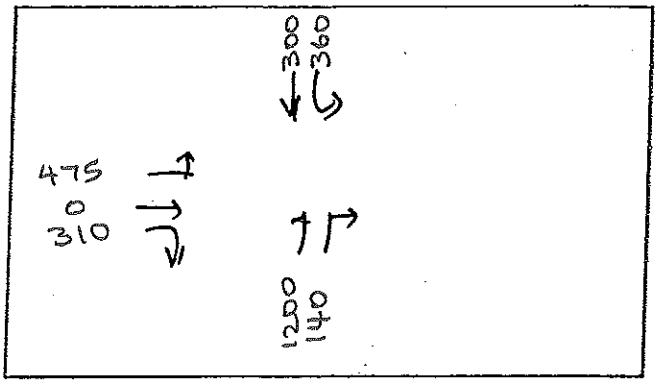
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 AM PM Rm C2

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
237 ↑ 238 ↗ 310 ↘	150 150 180 180	600 600 140	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
310	180	600	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1090

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

No EB Slip ramp

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

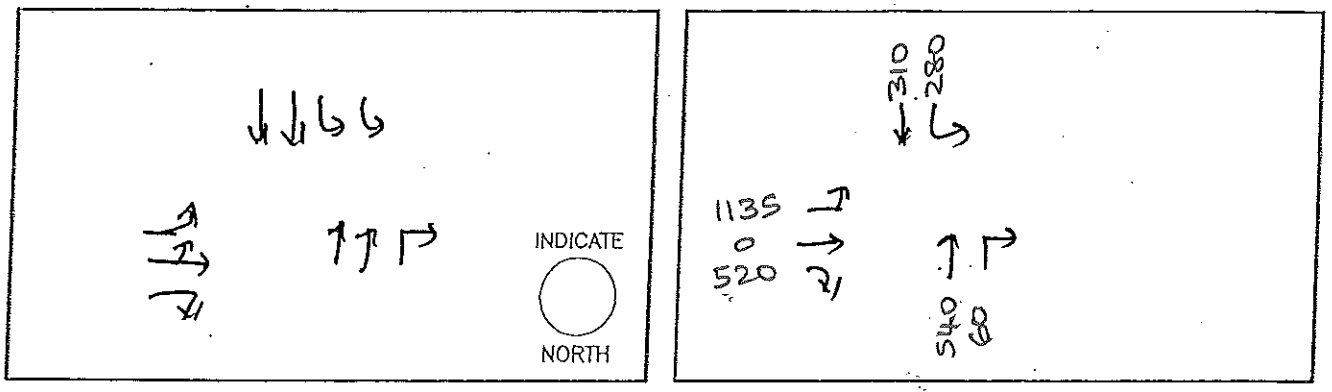
INTERSECTION SR56 EB Ramps / Carmel Country Road

DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2015 AM/PM Run C2

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
567 ↑ 568 ↗ 520 ↘	140 140 140 140	15 15 270 270 60	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
568	140	270	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
978

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

No EB slip + with WB C-D

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

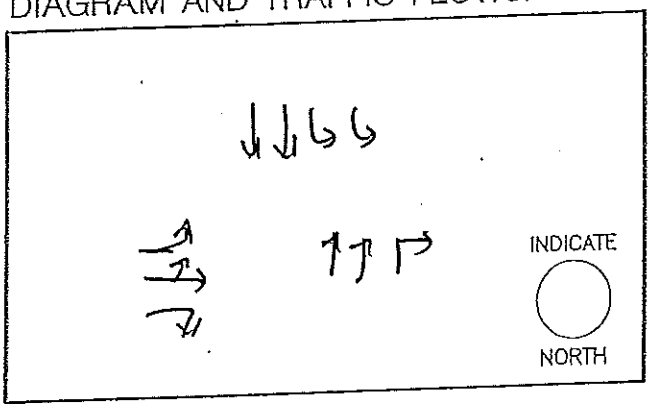
INTERSECTION SR56 EB Ramps / Carmel Country Road

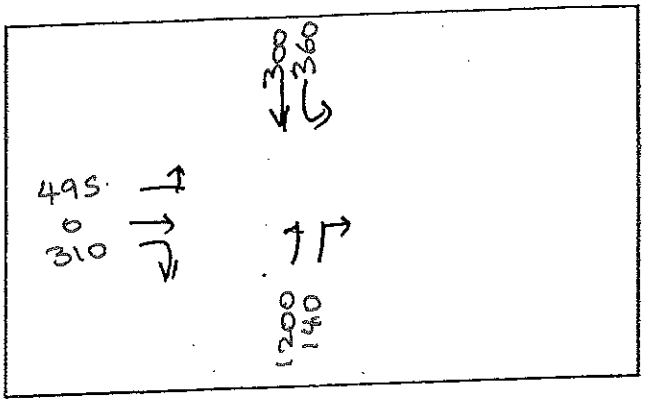
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

TIME 2015 (AM) PM Rm C5

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
247 248 310	88 88	600 600 180	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
310	180	600	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1090

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: under capacity

No EB Slip + With WB C-D

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

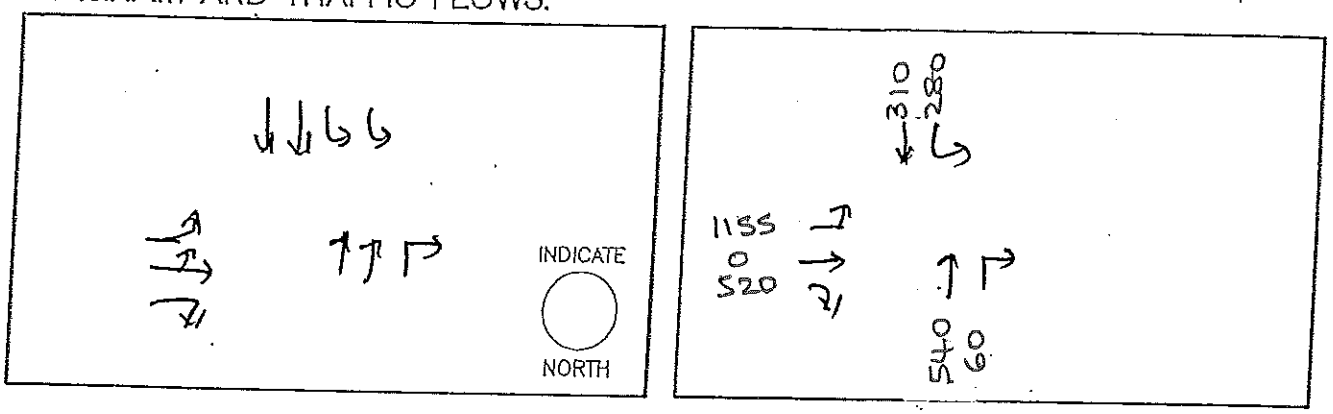
INTERSECTION SR56 EB Ramps / Carmel Country Road

DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2015 AM/PM Run C5

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
577 578 520	140 140 140 140	15 15 270 270 60	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
578	140	270	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
988

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#35

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

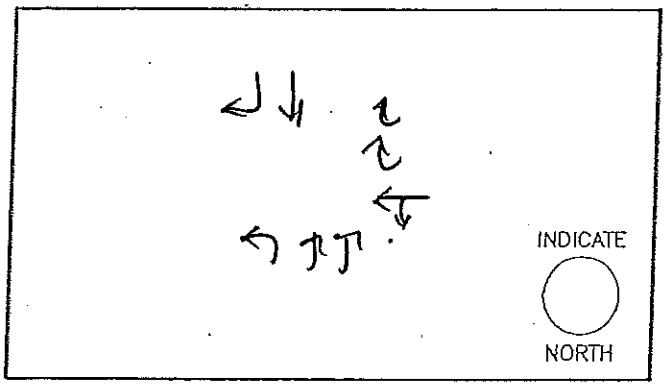
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

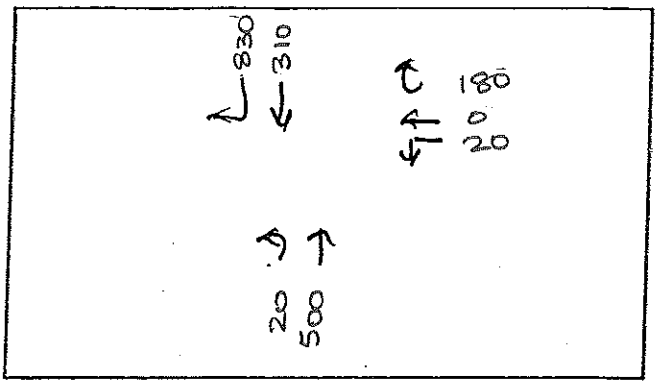
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2015 AM PM Run: C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
90 90 20	20 20 20	830 310 230 230	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
90	20	830	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
940

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#35

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

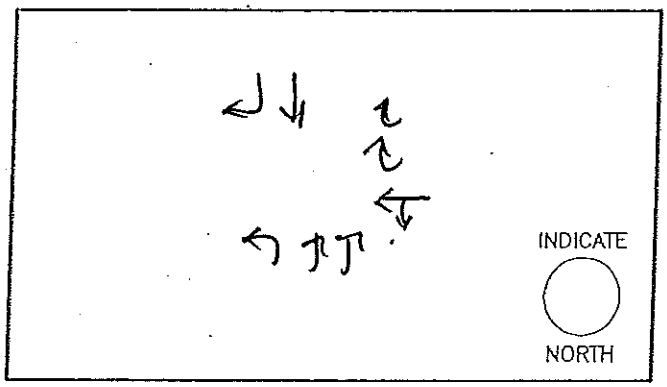
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

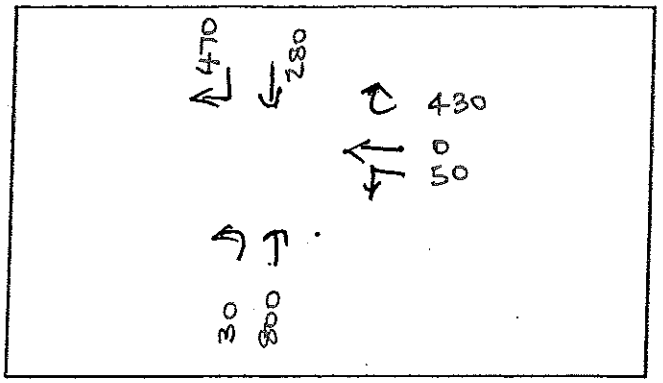
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2015 AM [PM] Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
215 215 50	30 30 30	470 280 370 370	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
215	30	470	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
715

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

#36

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

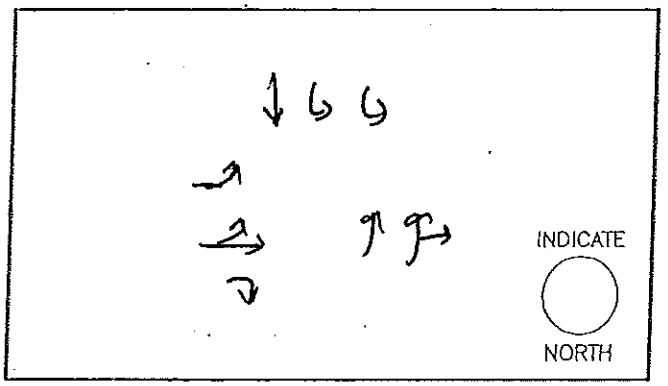
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

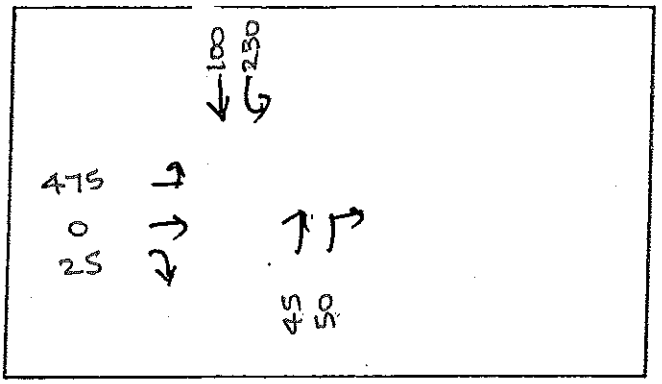
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 / AM PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
237 238 25	100 115 115	22 73	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
238	115	73	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
426

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#36

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

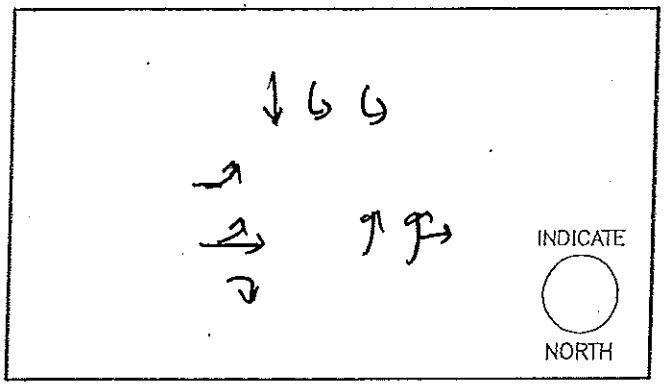
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

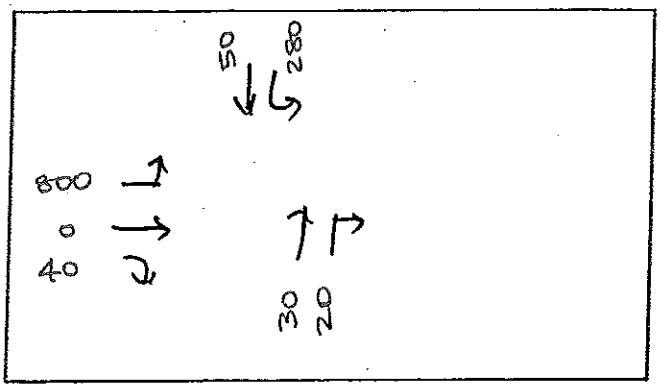
DIST. CO. RTE. P.M. 11/SR 56

BY US DATE

TIME 2015 AM PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 400 40	50 140 140	15 35	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400	140	35	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
575

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#38

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

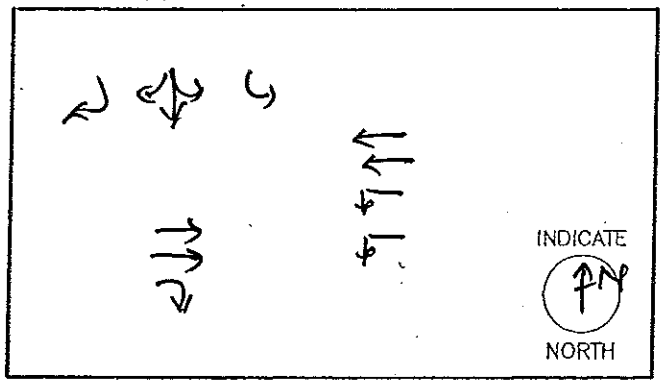
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

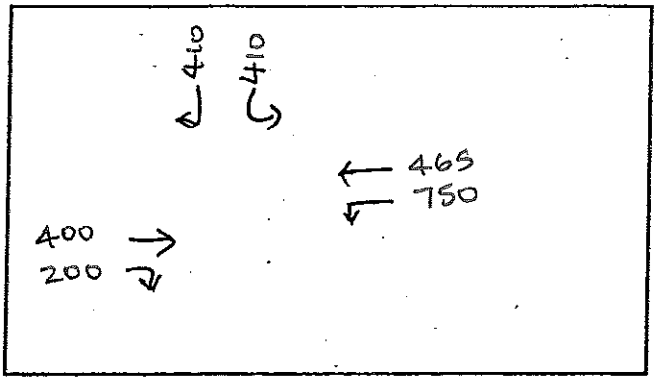
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

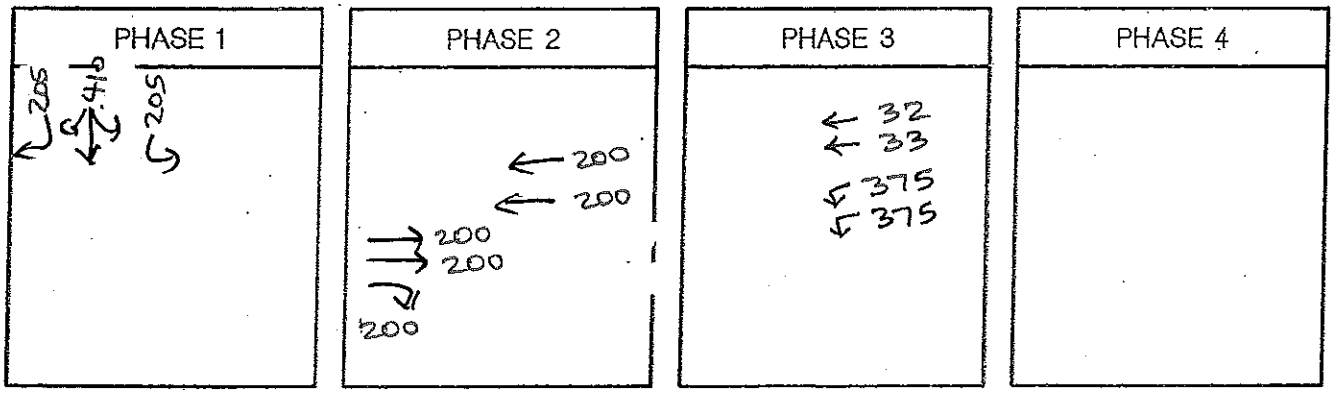
TIME 2015 AM PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
410	200	375	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
985

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#38

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

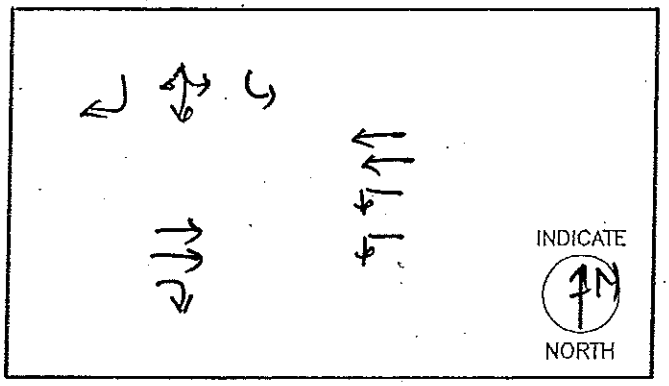
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

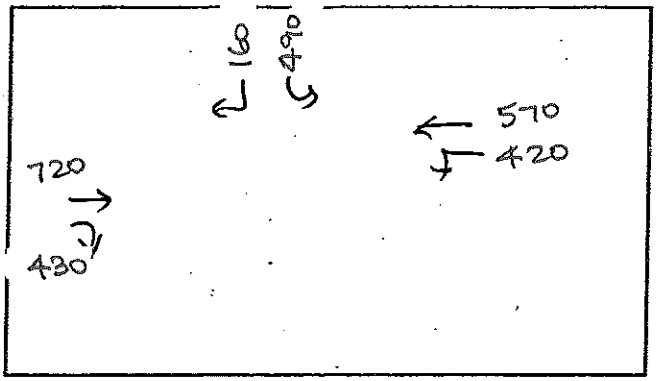
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
80, 325, 245	285, 285, 360, 360, 430	210, 210	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
325	430	210	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
965

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#39

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

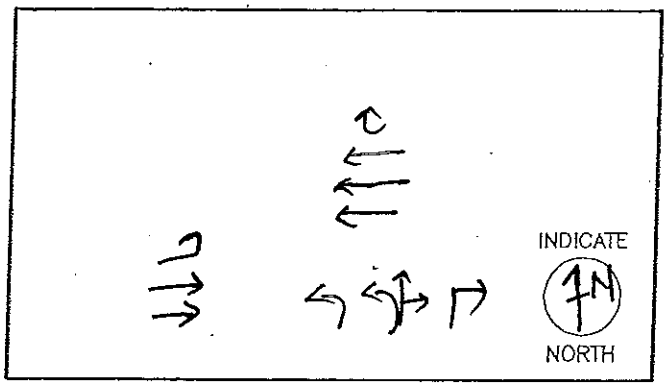
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

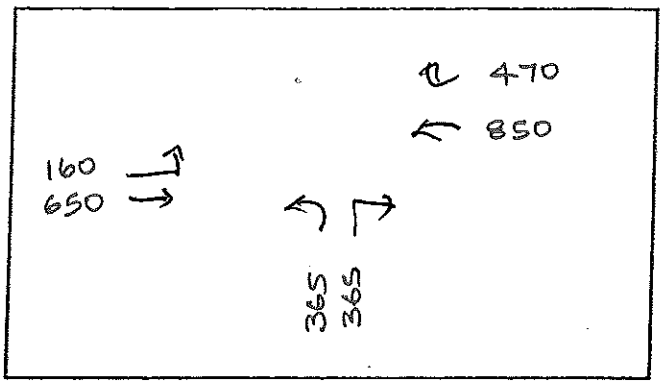
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 / AM PM Rem C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
183 365 182	160 160 160	165 470 283 283 284 165	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
365	160	470	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
995

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#39

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

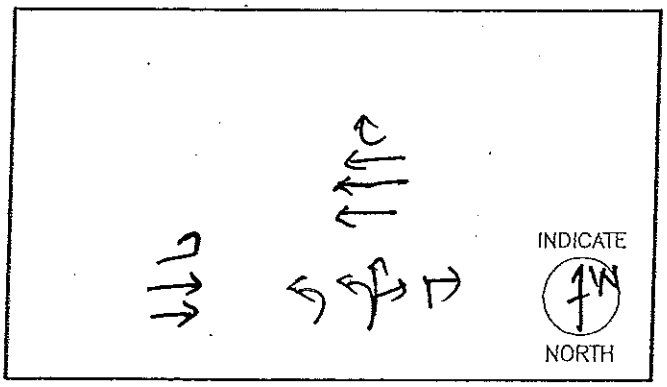
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

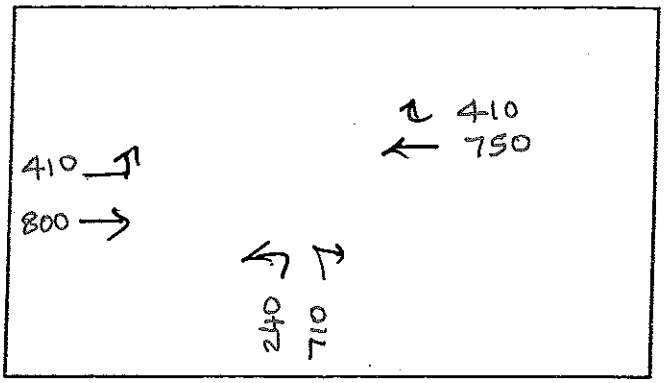
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

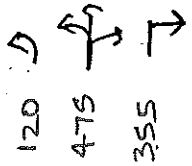
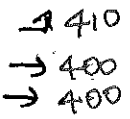
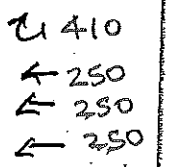
TIME 2015 AM/PM Run C

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
475	410	410	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1295

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

#1

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

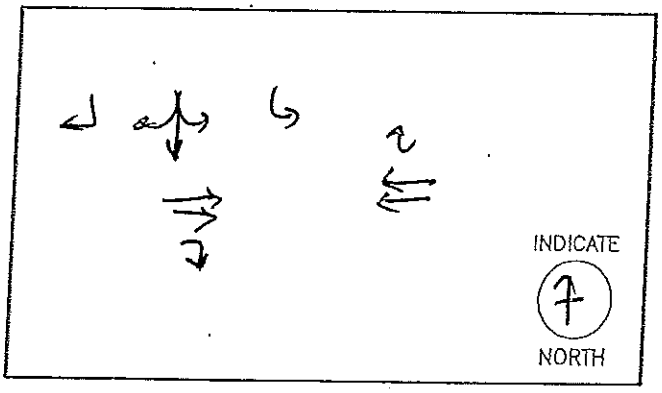
INTERSECTION I-5 SB Ramps / Via de la Valle.

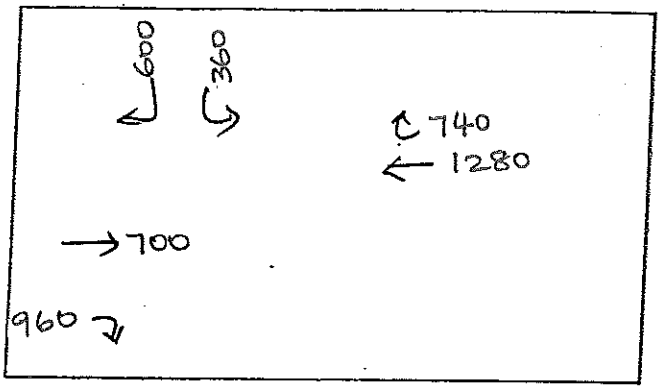
DIST. CO. RTE. P.M. 11 / I-5.

BY VS DATE

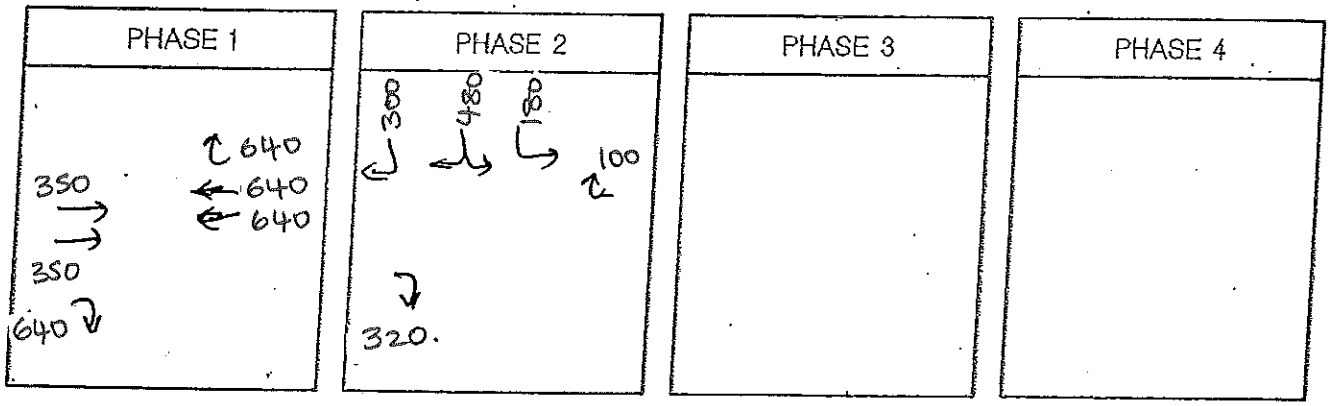
TIME 2015 AM PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
640	480		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1120

☒ : 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

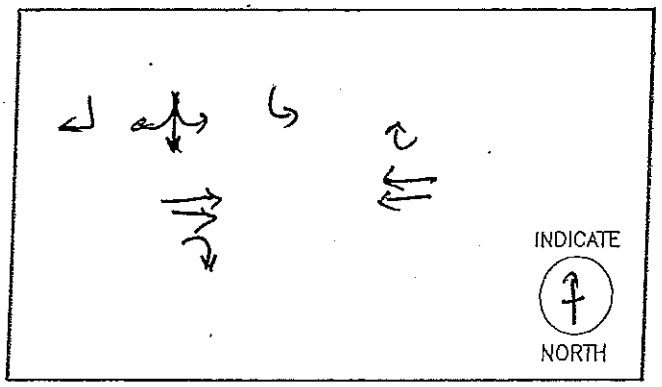
INTERSECTION I-5 SB Ramps / Via de la Valle.

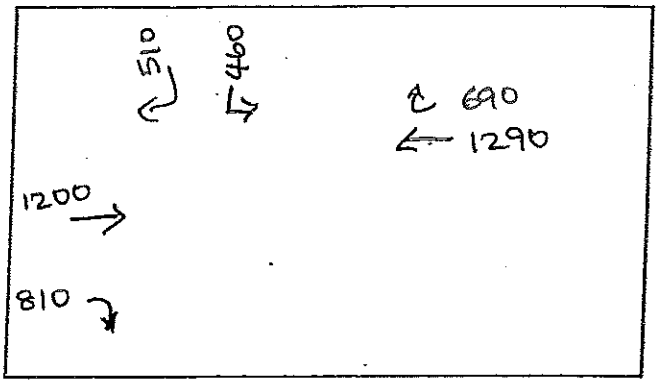
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE /

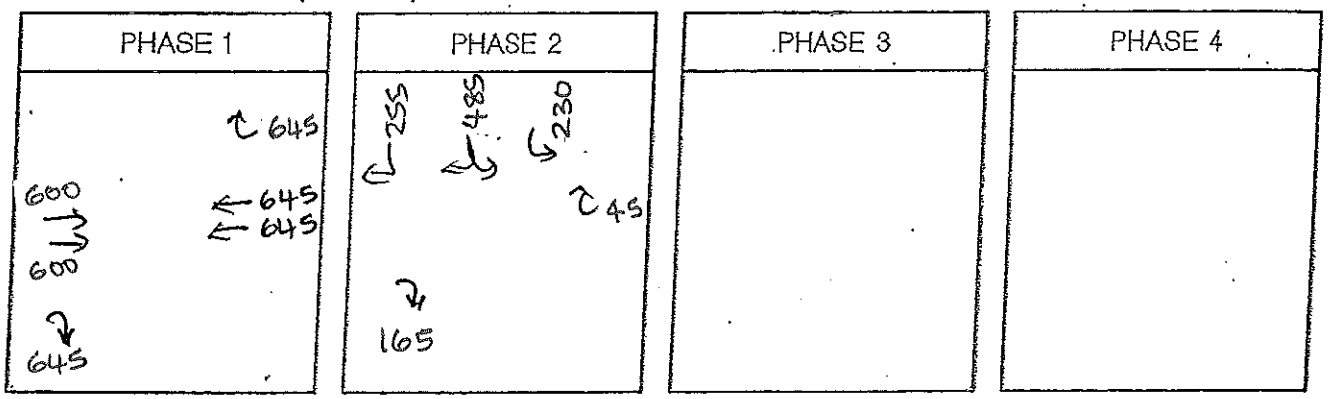
TIME 2015 AM [PM]. Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
645	485		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1130

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

#2

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

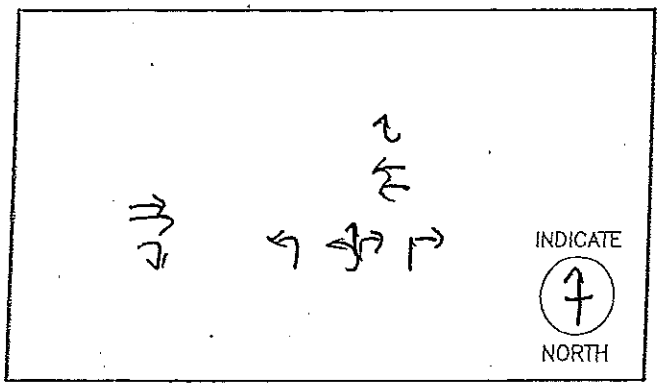
INTERSECTION I-5 NB Ramps / Via de la Valle

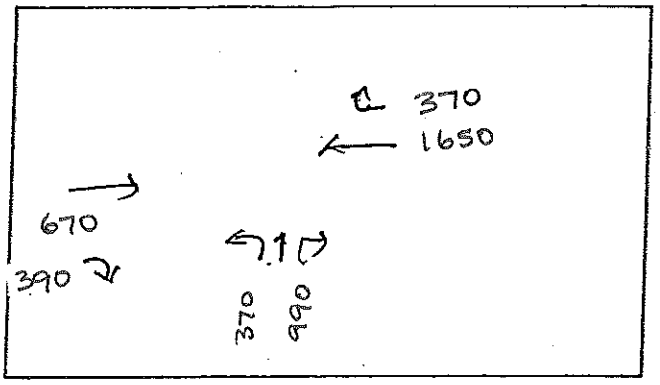
DIST. CO. RTE. P.M. 11 / J-5

BY VS DATE

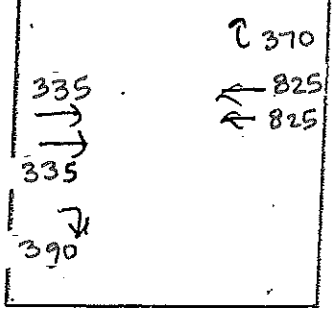
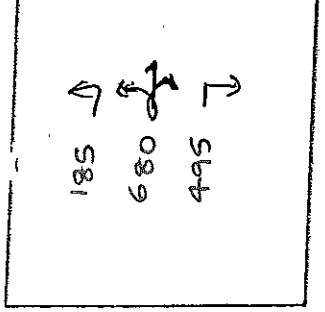
TIME 2015 [AM] PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
825	680		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1505

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

#2

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

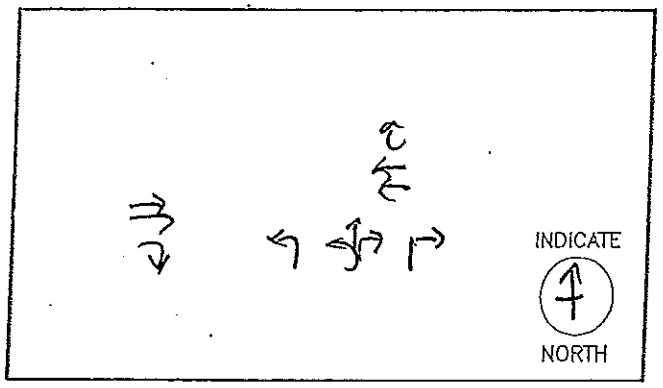
INTERSECTION I-5 NB Ramps / Via de la Valle

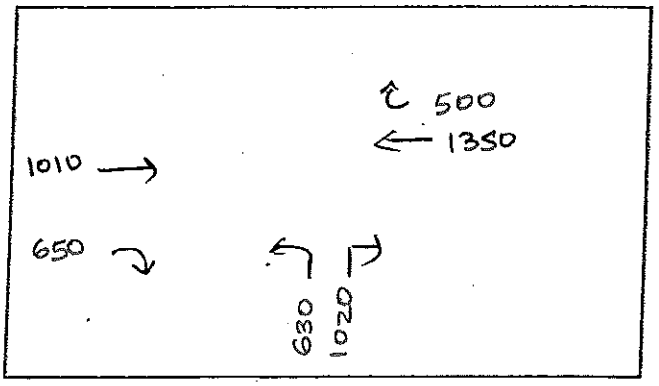
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 PM . Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
500 675 505 505 675 650	315 825 510		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
675	825		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1500

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

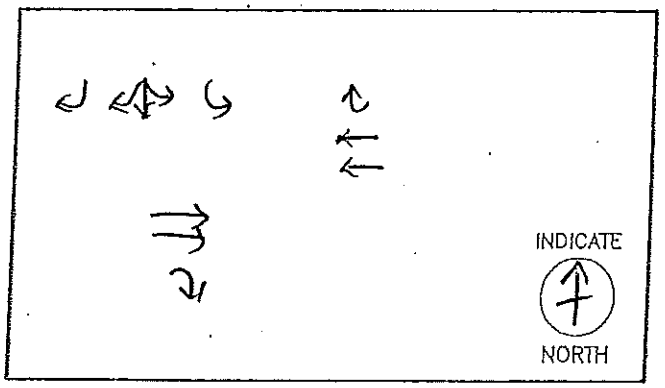
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

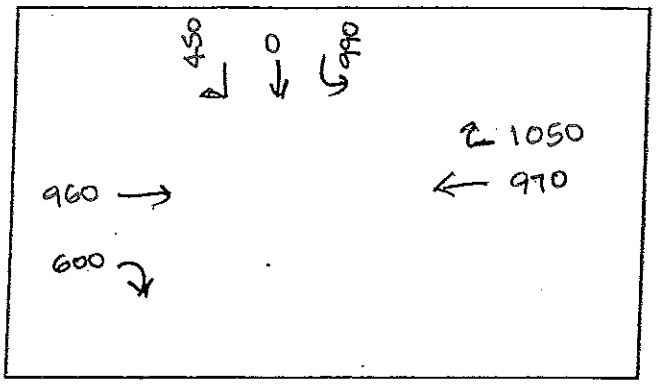
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

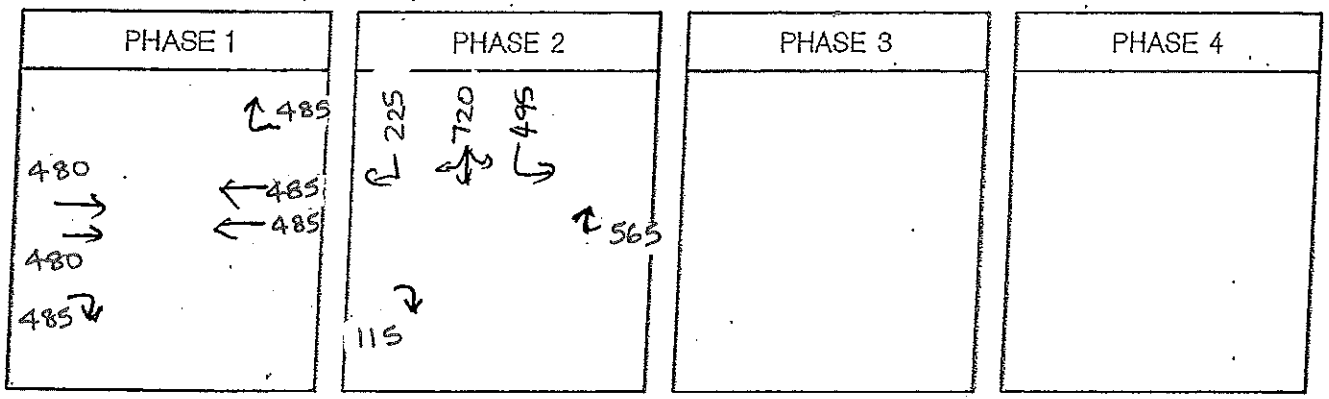
TIME 2015 AM PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
485	720		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1205

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Near Capacity.

#8

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

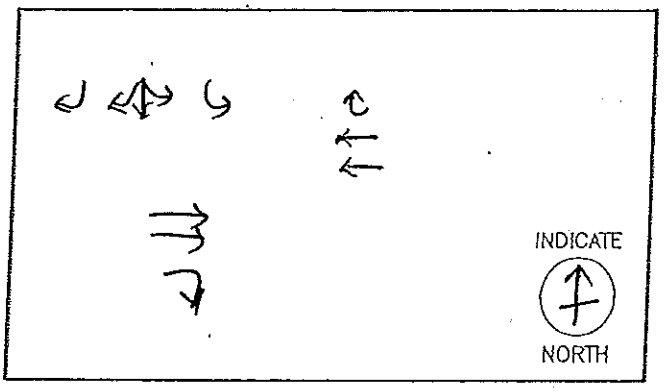
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

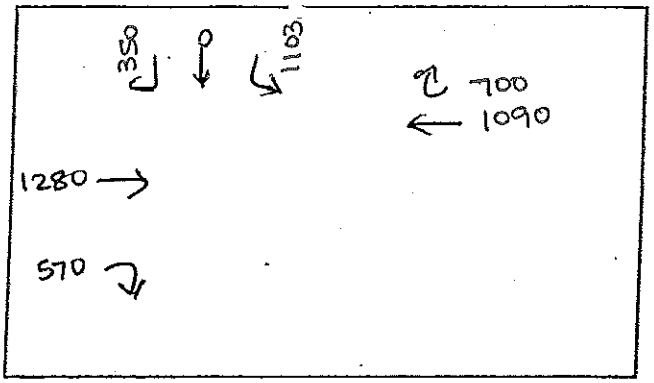
DIST. CO. RTE. P.M. 11 / J-5

BY VS DATE

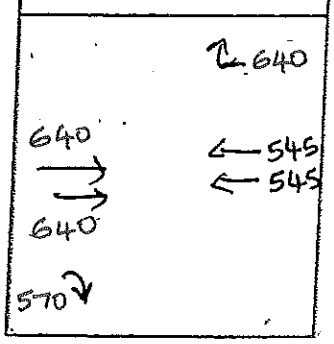
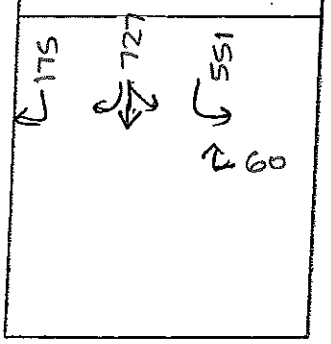
TIME 2015 AM/PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
640	727		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1367

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#9

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

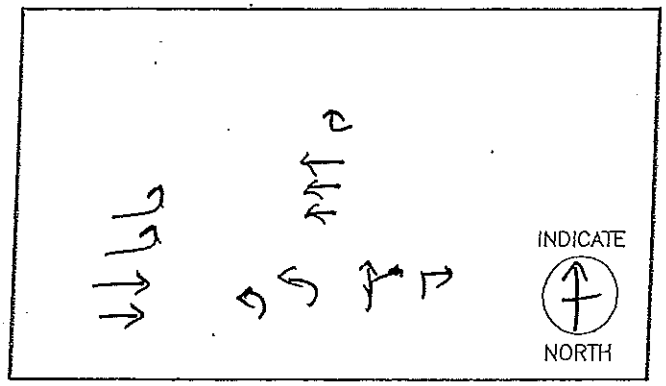
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

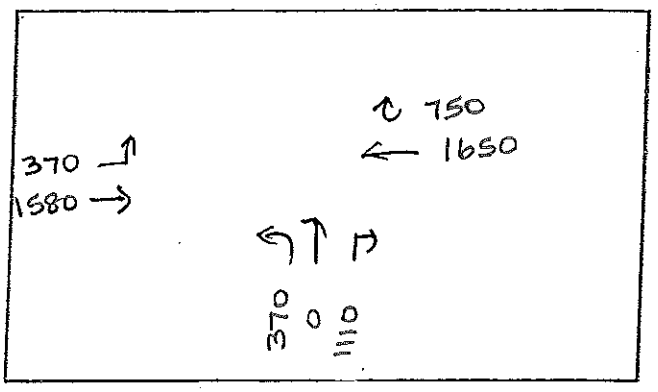
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2015 /AM/PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
185 185 555 555	185 185 185 185	750 550 550 550 605 605	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
555	185	750	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1490

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#9

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

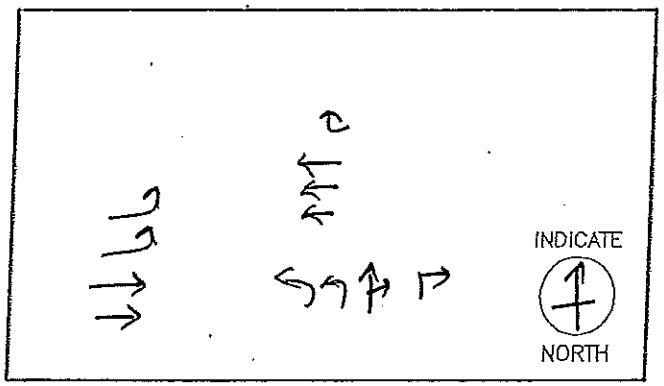
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

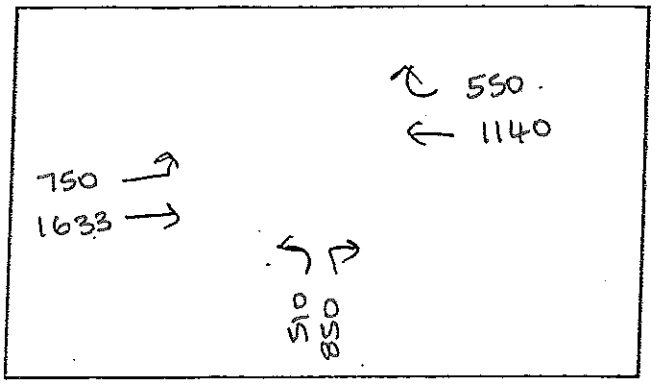
DIST. CO. RTE. P.M. 11/I-5

BY VS DATE

TIME 2015 AM/PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
255 255 425 425	375 375 375 375	550 441 570 442 570	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	375	570	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1370

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

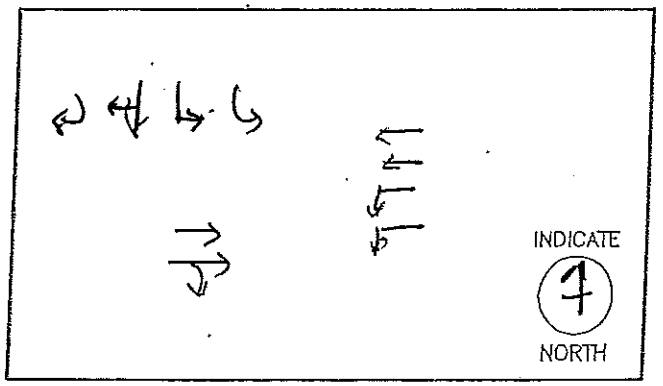
INTERSECTION I-5 SB Ramps / Carmel Valley Road

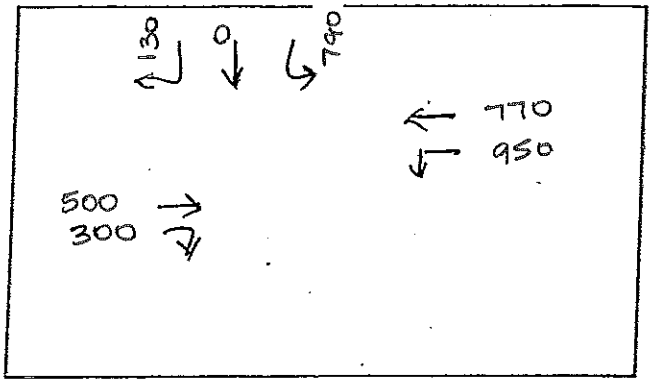
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM/PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
↰65 ↰65 ↳395 ↳395	← 385 ← 385 ↰ 475 ↰ 475	→ 250 ↳ 550	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
395	475	550	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1420

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

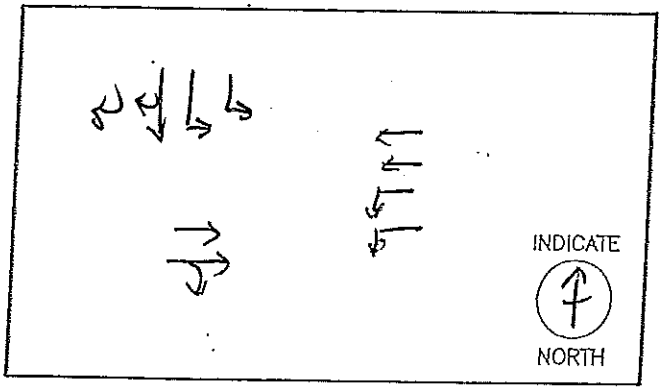
INTERSECTION I-5 SB Ramps / Carmel Valley Road

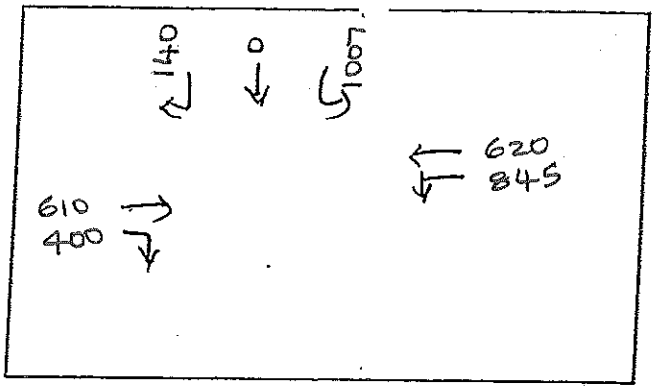
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM/PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
70 70 503 504	310 310 422 423	305 705	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
504	423	705	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1632

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: over capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

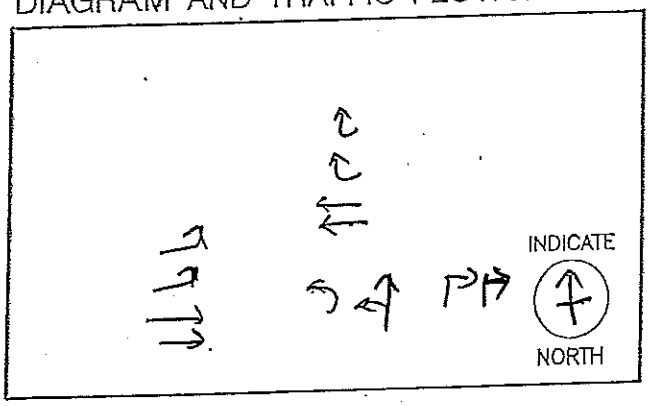
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

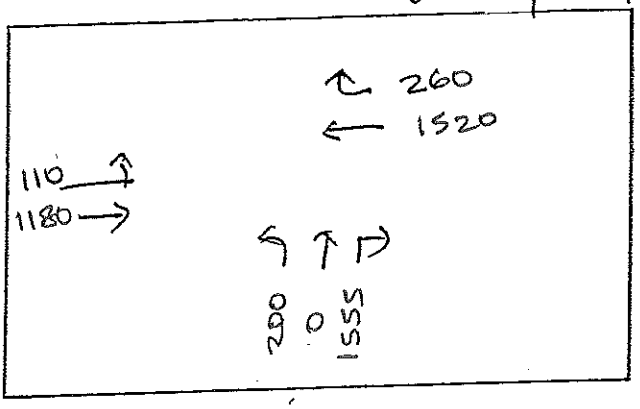
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM PM Rem D (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55 55 55 55	130 130 535 760 760 535	100 100 778 777	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	760	778	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1593

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

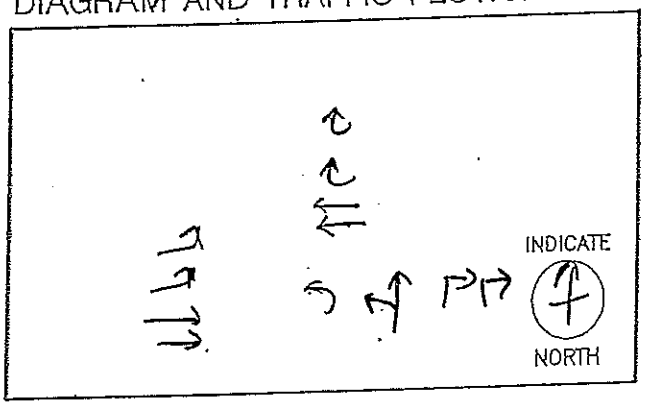
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

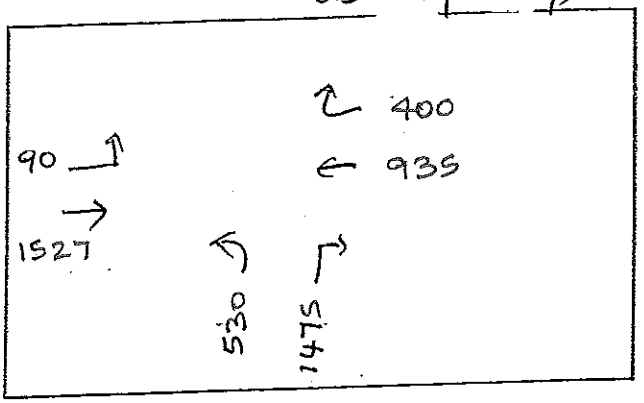
DIST. CO. RTE. P.M. 11 / I-5

BY WS DATE

TIME 2015 AM/PM Run D (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45 45 45 45	200 200 467 468 718 719	265 265 737 738	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45	719	738	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1502

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

With WB C-D between Carmel Creek Road and El Camino Real.

#28

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

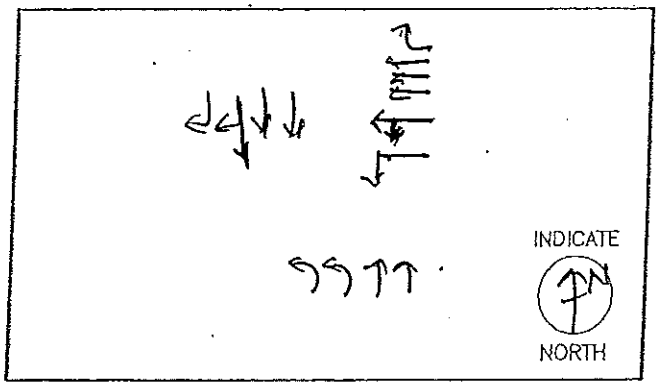
INTERSECTION SR 56 WB Ramps / El Camino Real /

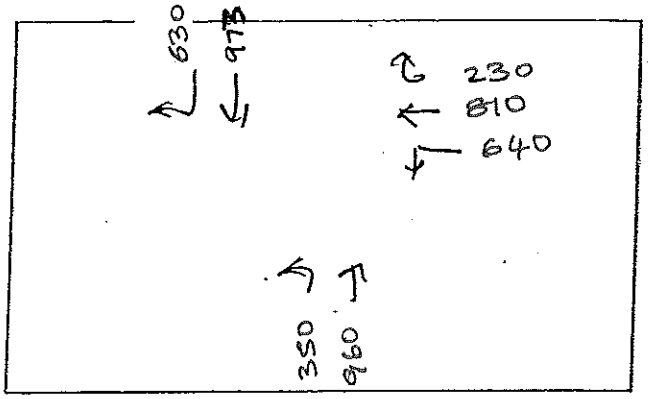
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE _____

TIME 2015 / AM PM Rev. D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 202 202 203 523 320	175 175 175 175	315 640 324 324 305 305	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
523	175	640	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1338

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

With WB C-D between Carmel Creek Road and El Camino Real. #28

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

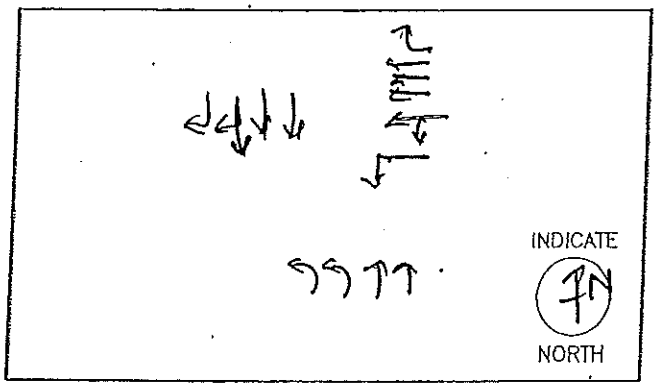
INTERSECTION SR56 WB Ramps / El Camino Real

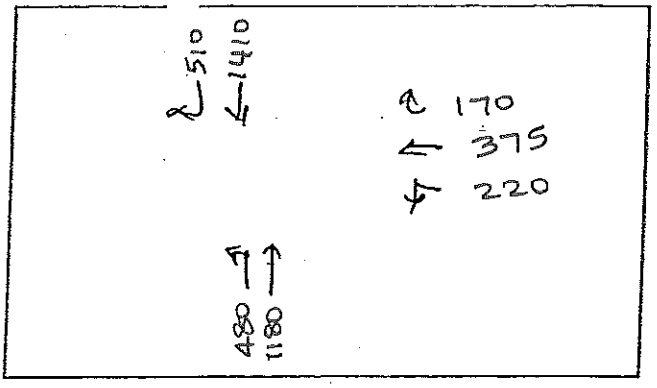
DIST. CO. RTE. P.M. 11 / SD56

BY VS DATE

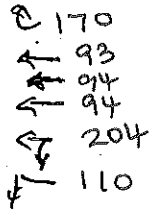
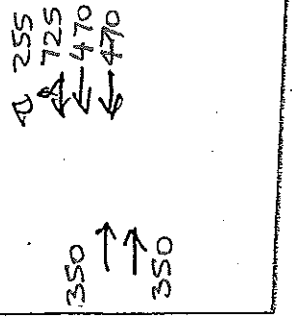
TIME 2015 AM/PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
204	240	725	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1169

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

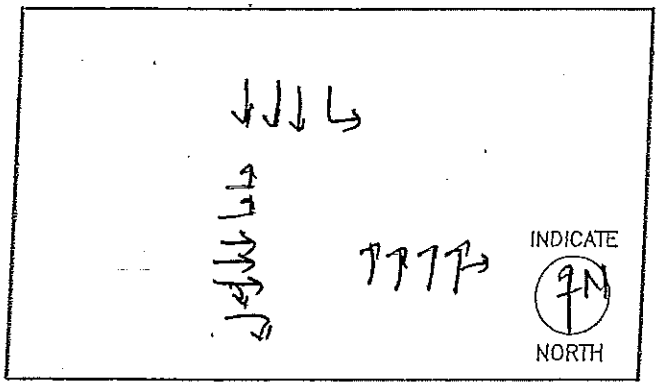
INTERSECTION SR 56 EB Ramps / El Camino Real

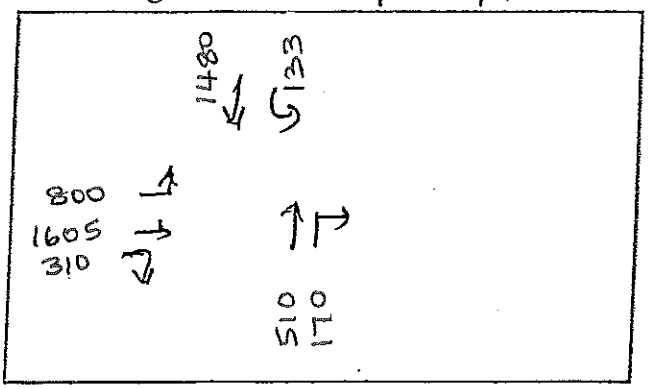
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

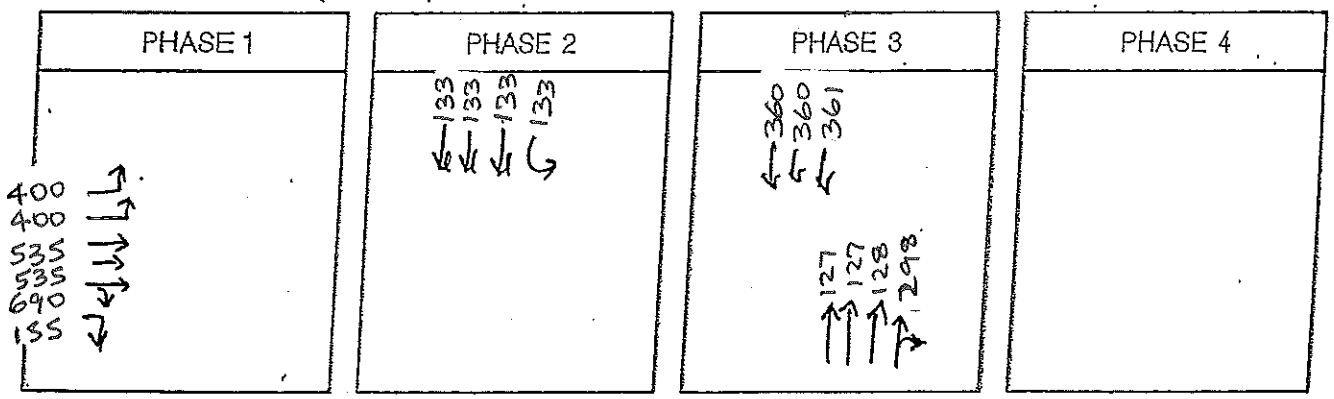
TIME 2015 AM PM Run D (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
690	133	361	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1184

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS Under Capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

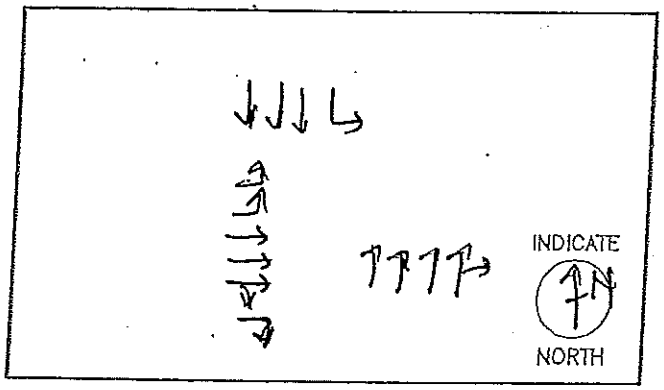
INTERSECTION SR 56 EB Ramps / El Camino Real

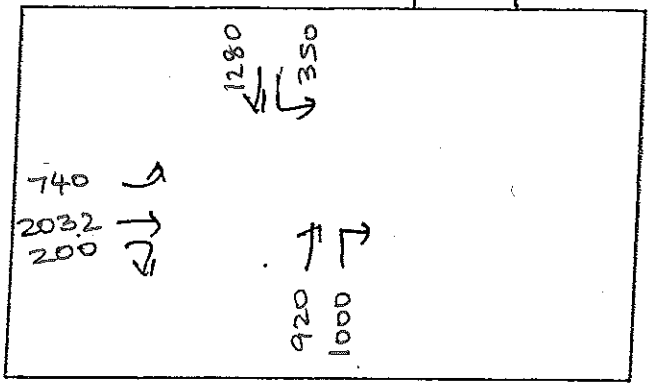
DIST. CO. RTE. P.M. 11 / SR 56

BY VG DATE

TIME 2015 AM/PM Rev. D (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
370 370 677 677 778 100	350 350 350 350	76 77 77 230 230 230 1230	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
778	350	1230	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
2358

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

#30

No EB slip t with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

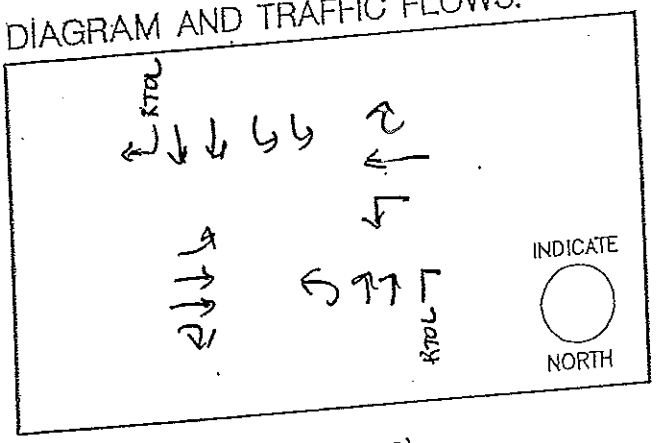
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

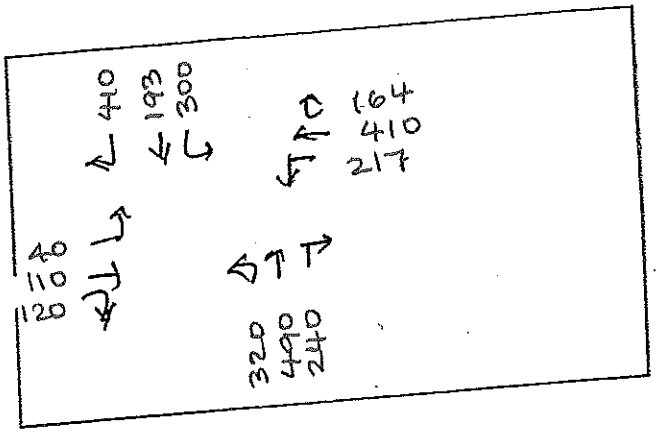
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

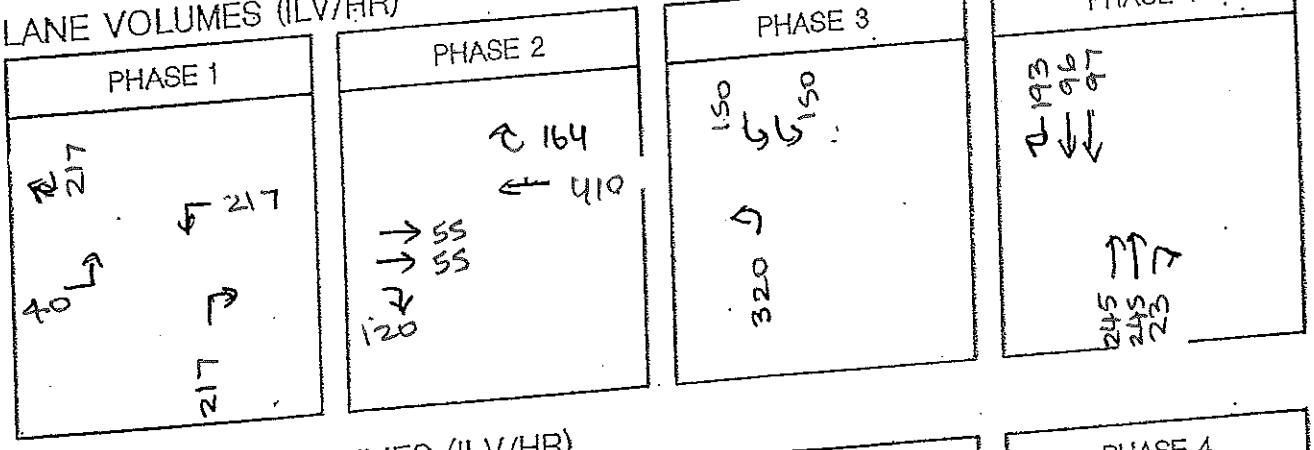
TIME 2015 AM Rev. D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
217	410	320	245

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1192

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#30

No EB Slip + with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

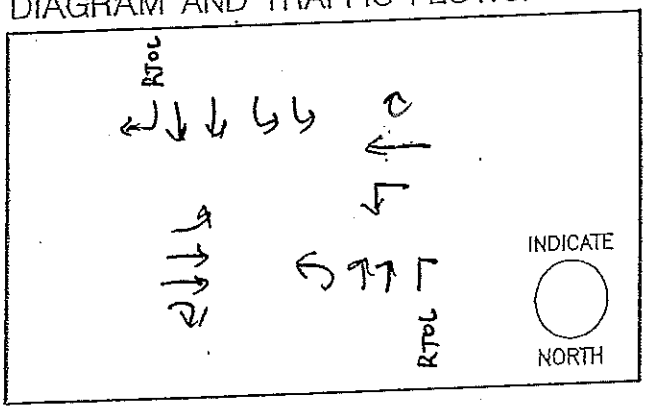
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

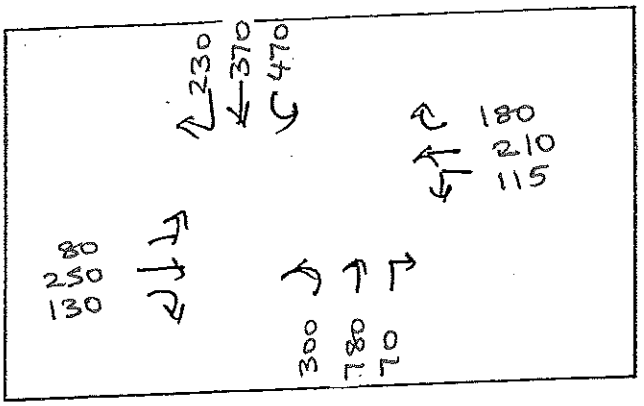
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

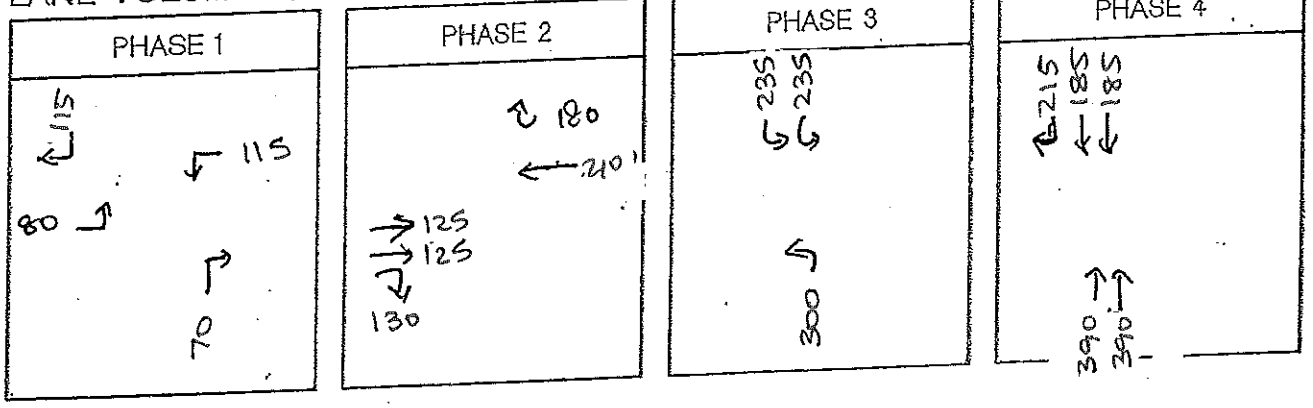
TIME 2015 PM 2030 Rum D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
115	210	300	390

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1015

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: under capacity

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

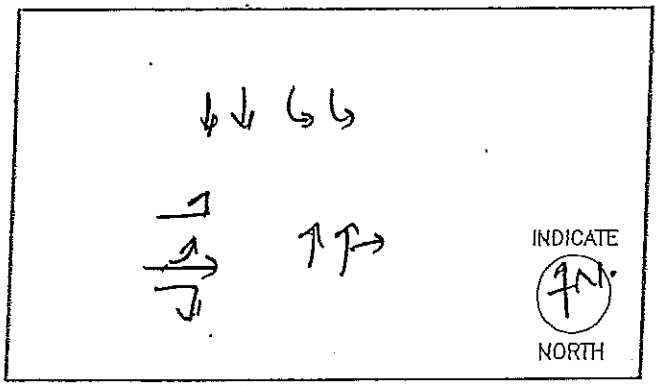
INTERSECTION SR 56 EB Ramps / Carmel Creek Road

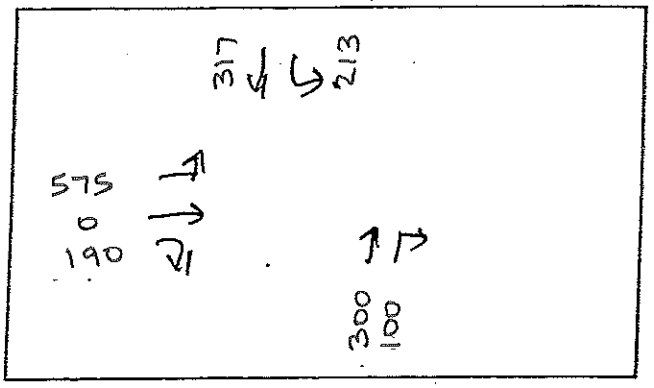
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2015 AM/PM Run D (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
287 ↑ 288 ↱ 190 ↴	107 ↓ 107 ↓ 107 ↳ 106 ↳	51 ↓ 52 ↓ ↑ ↱ 150 250	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
288	107	250	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
645

☑ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#31

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

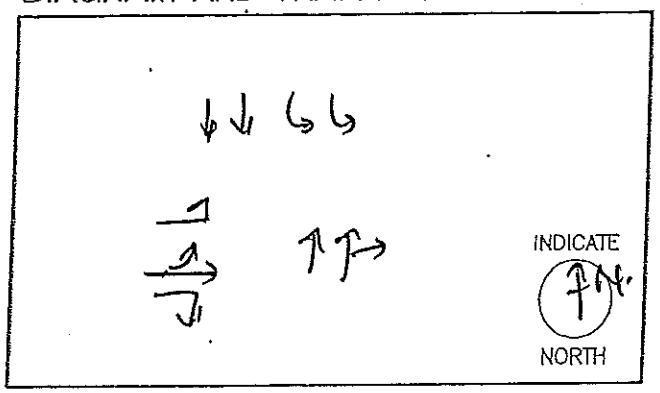
INTERSECTION SR EB Ramps / Carmel Creek Road.

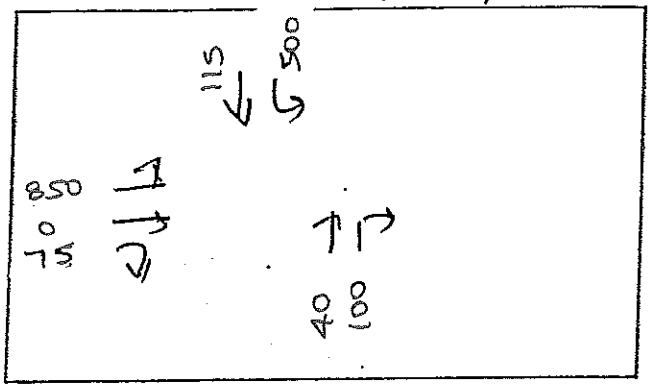
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE

TIME 2015 AM/PM Run D (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425 425 75	57 58 250 250	29 120	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	250	120	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
795

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#33

No EB Slip + with WB G-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

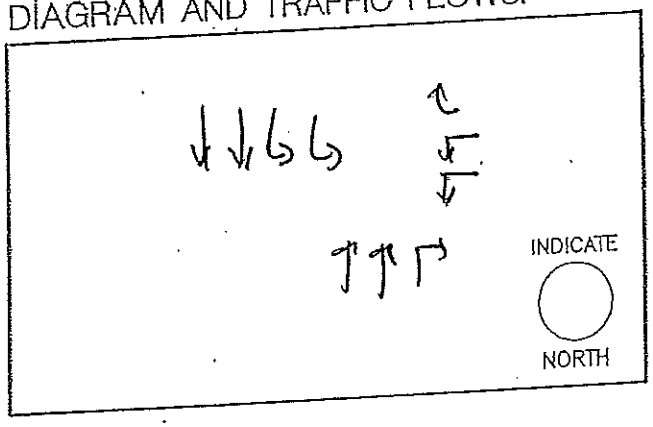
INTERSECTION Carmel Country Road / SR56 WB Ramps

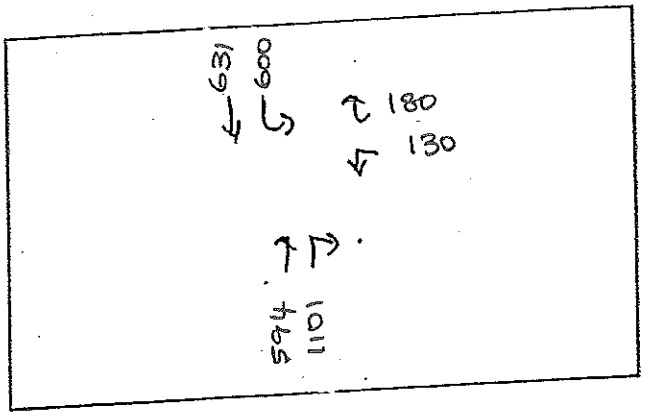
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2015. AM PM Rev D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
180 65 65 180	300 300 300 300	151 297 297 921	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
180	300	921	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1401

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

No EB Slip + with WB C-D

33

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

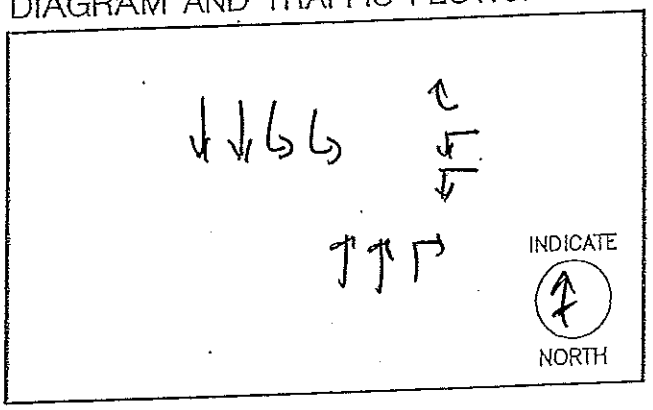
INTERSECTION Carmel Country Road / SR56 WB Ramps

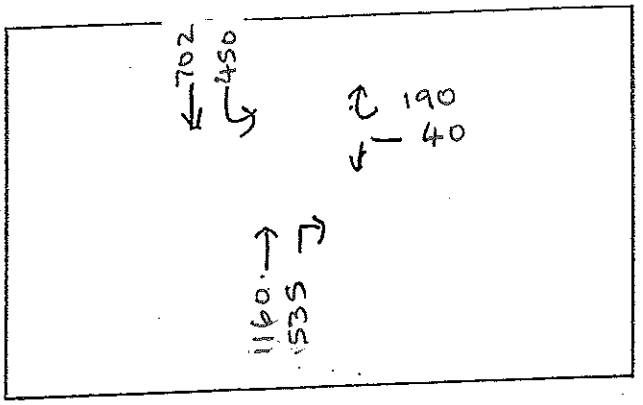
DIST. CO. RTE. P.M. 11/SR56

BY LR DATE

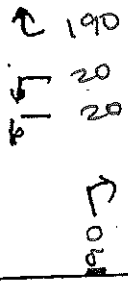
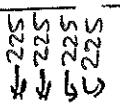
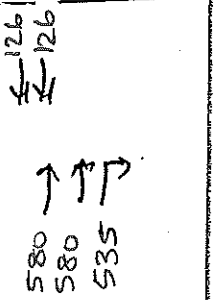
TIME 2015 AM (PM) Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
190	225	580	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
995

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

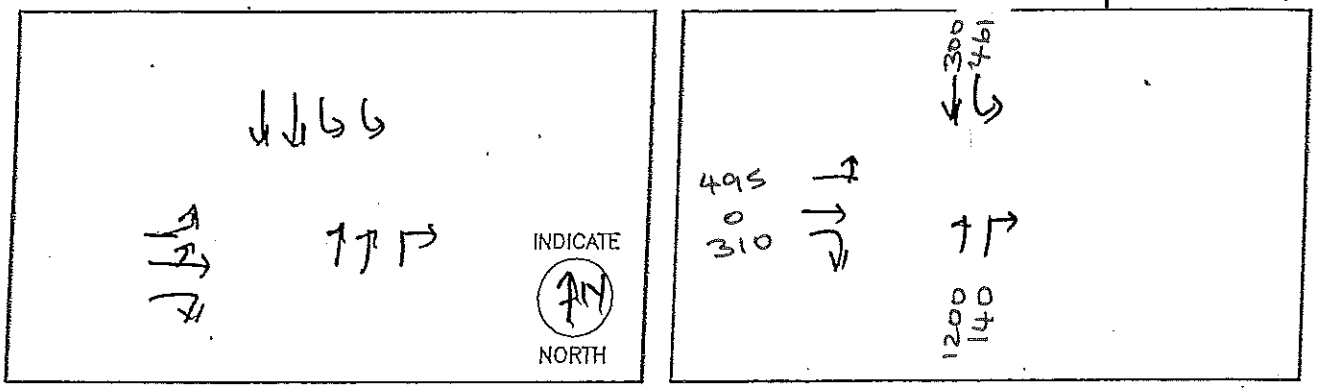
INTERSECTION SR56 EB Ramps / Carmel Country Road

DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 (AM) PM Run D
(No EB Slip off-ramp)

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
247 248 310	150 150 230 231	600 600 140	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
310	231	600	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1141

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: under capacity

#34

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

INTERSECTION SR56 EB Ramps / Carmel Country Road

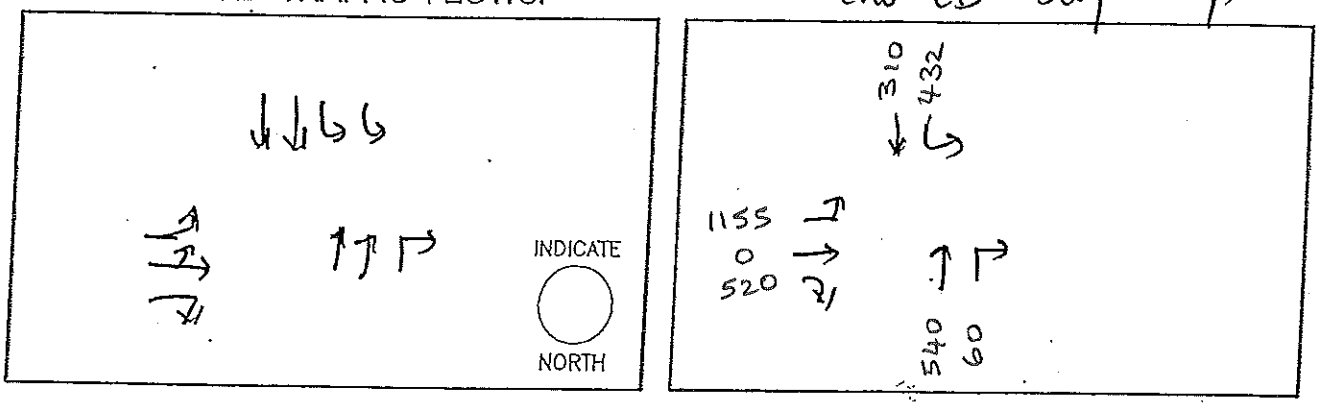
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2015 AM PM Run D

(No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
578 577 520	155 155 216 216	270 270 60	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
578	216	270	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1064.

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: under capacity.

35

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

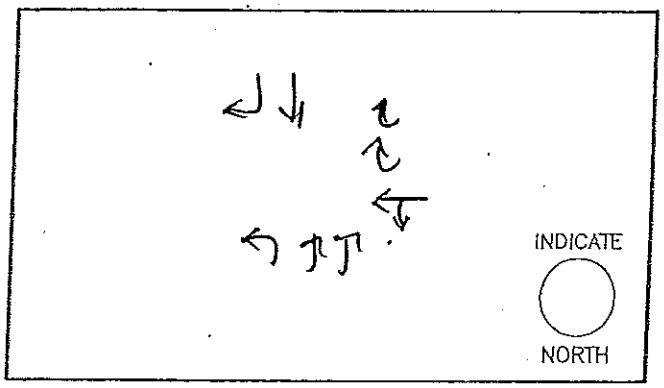
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

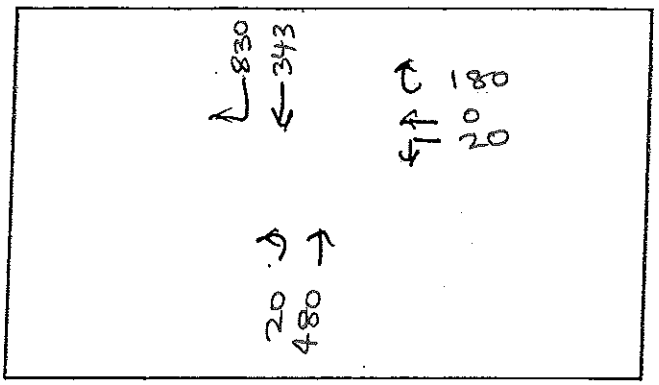
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE /

TIME 2015 AM PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
90 90 20	20 20 20	830 343 220 220	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
90	20	830	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
940

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#35

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

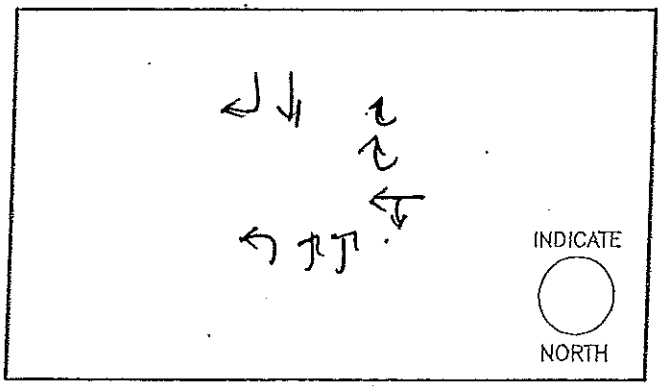
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

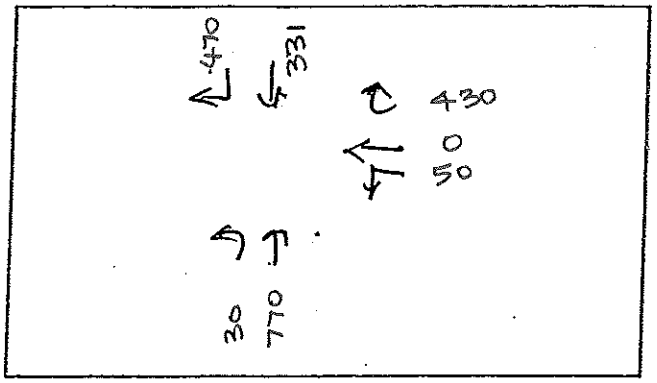
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2015 AM [PM] Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
215 215 50	30 30 30	470 331 355 355	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
215	30	470	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
715

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

#36

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

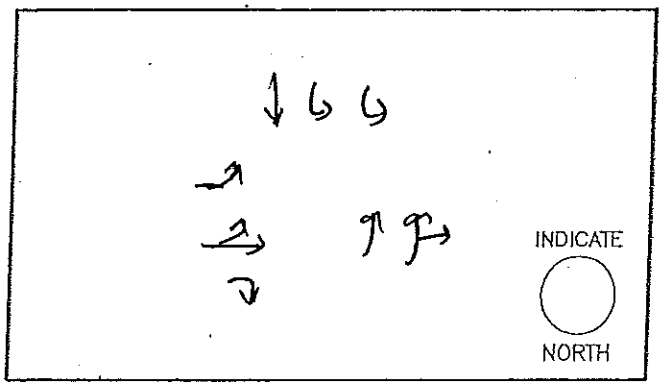
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

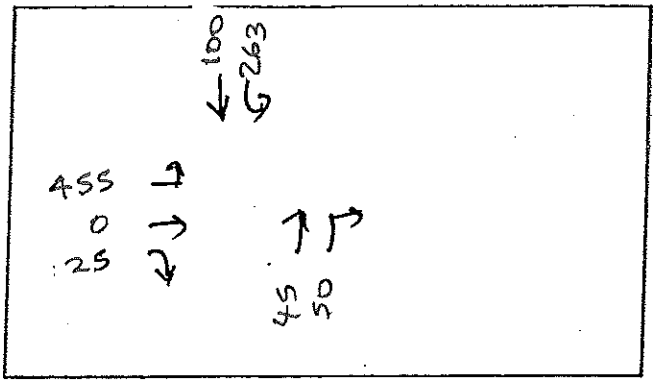
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 / AM PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
227 228 25	100 131 132	22 73	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
228	132	73	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
433

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#36

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

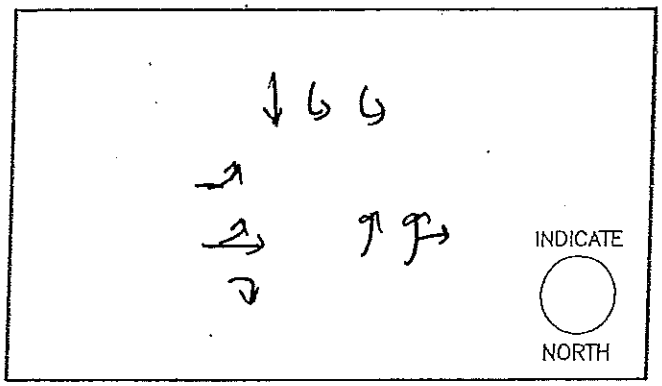
INTERSECTION SR 51 EB Ramps / Carmel Valley Road

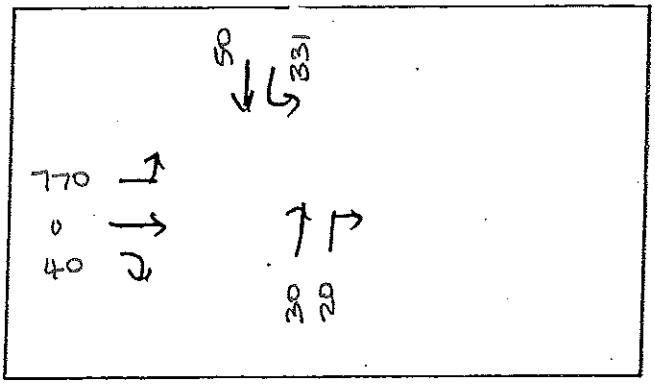
DIST. CO. RTE. P.M. 11/SR 56

BY US DATE

TIME 2015 AM/PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
385 385 40	50 166 165	15 35	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
385	166	35	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
586

IS . . .

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

38

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

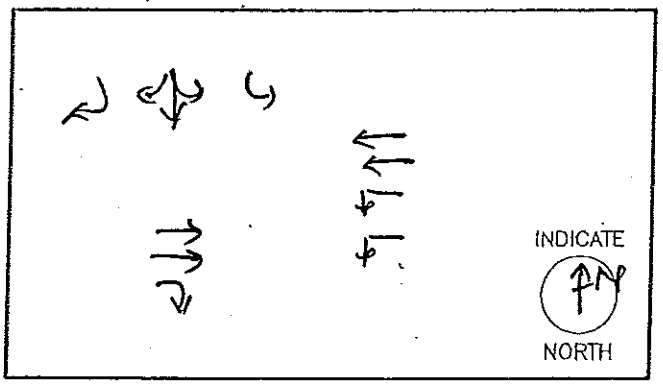
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

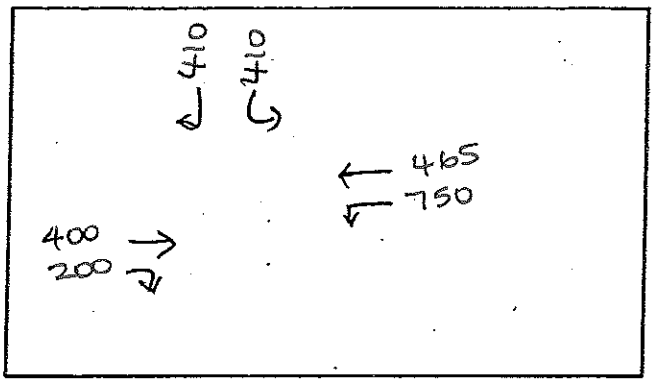
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

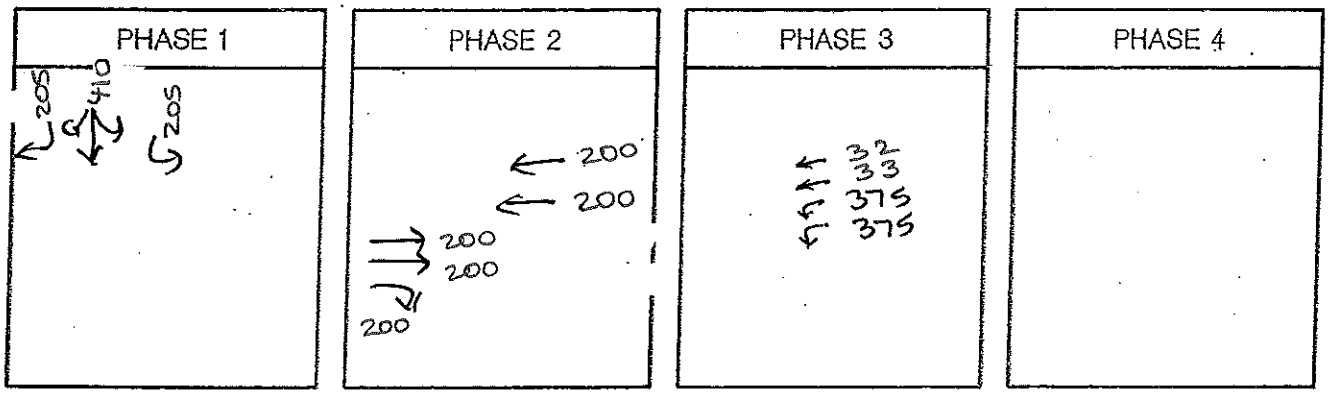
TIME 2015 [AM] PM Rm D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
410	200	375	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
985

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#38

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

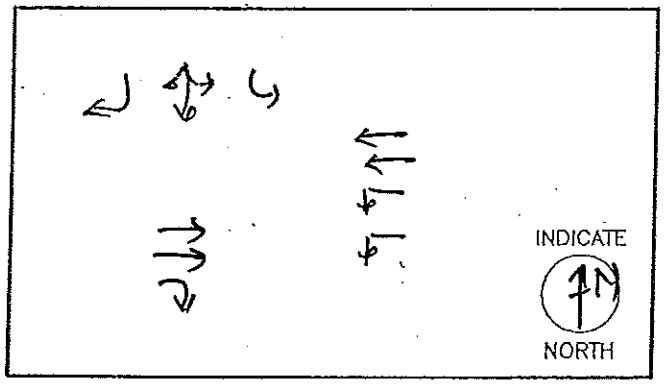
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

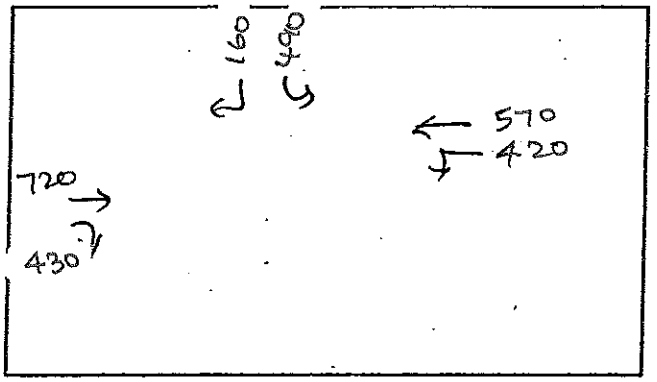
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
80, 325, 245	285, 285, 360, 360, 430	210, 210	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
325	430	210	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
965

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

#39

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

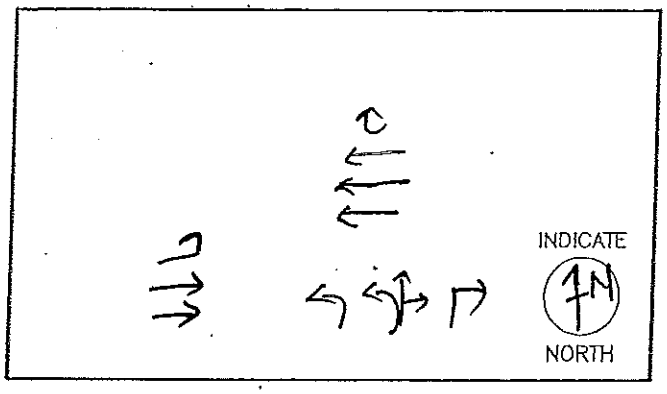
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

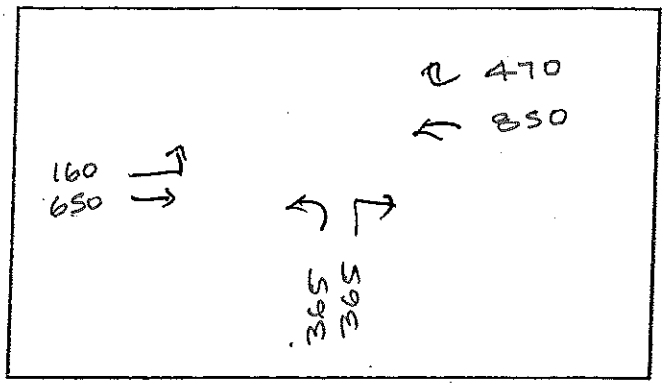
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 / AM PM Rm D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
182 365 183	160 160 160	165 165 470 283 283 284	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
365	160	470	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
995

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

#39

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

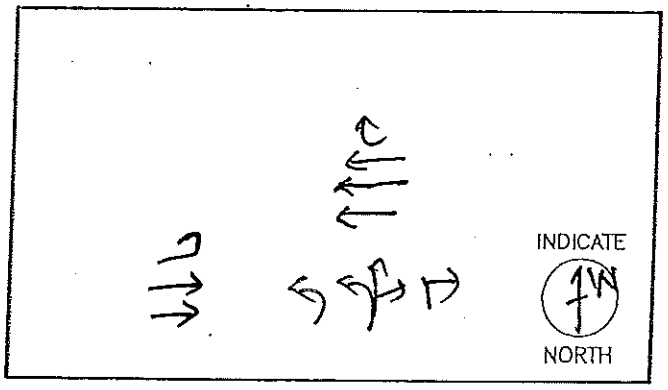
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

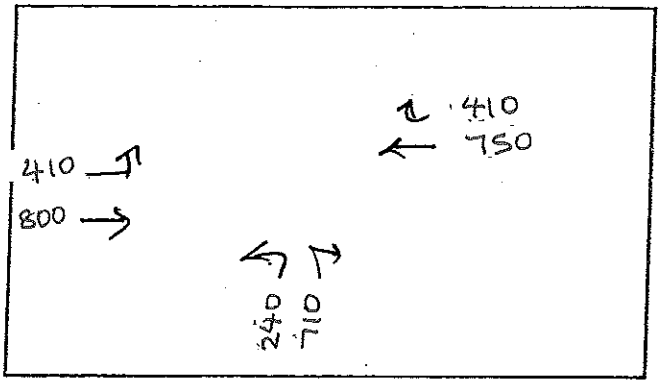
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM/PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
120 475 355	410 400 400	410 250 250 250	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
475	410	410	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1295

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

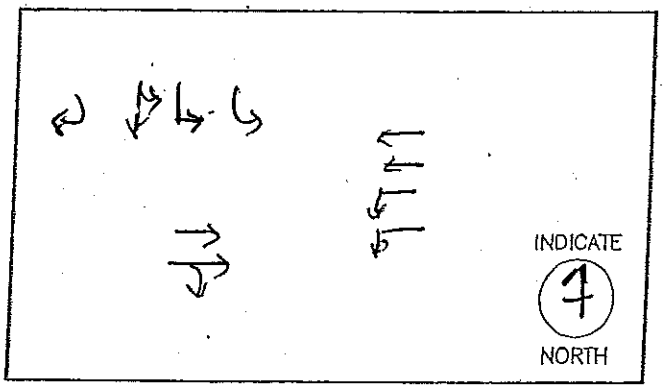
INTERSECTION I-5 SB Ramps / Carmel Valley Road

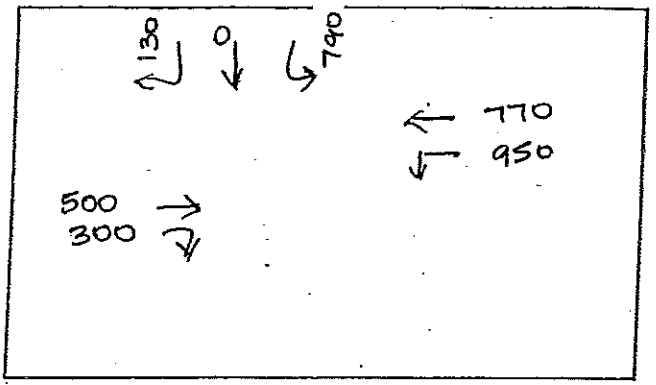
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM PM Run D1

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
65, 263, 263, 264	385, 385, 475, 475	250, 550	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
264	475	550	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1289

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#24

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

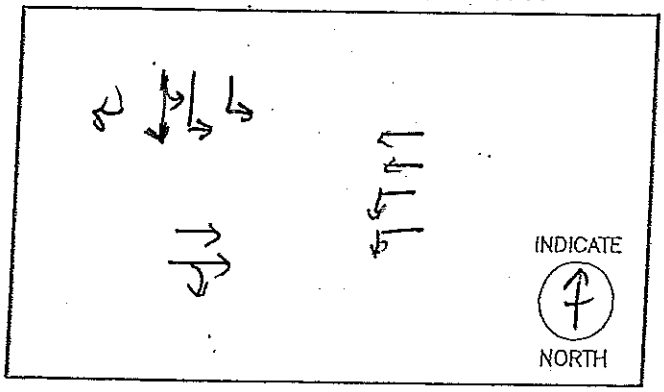
INTERSECTION I-5 SB Ramps / Carmel Valley Road

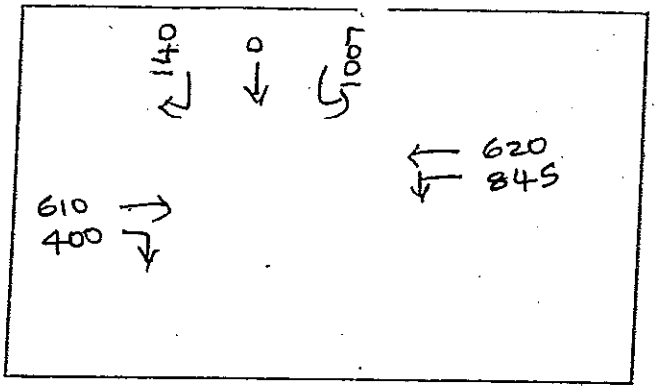
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

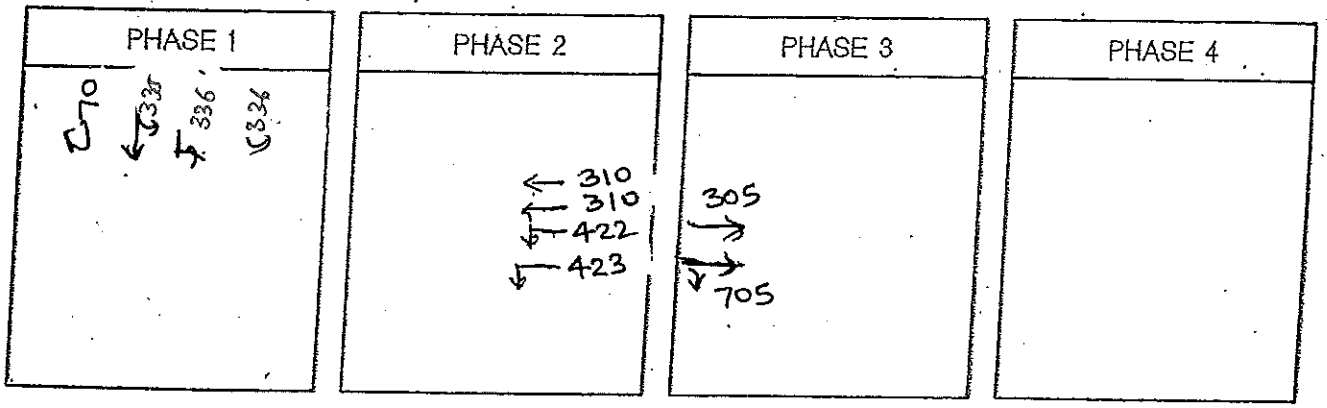
TIME 2015 AM (PM) Run D1

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
336	423	705	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1464

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

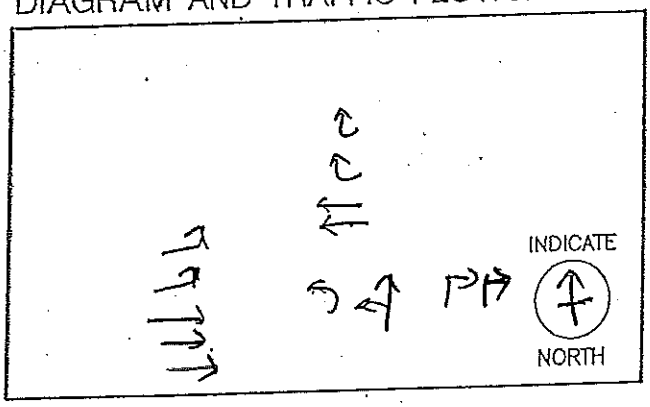
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

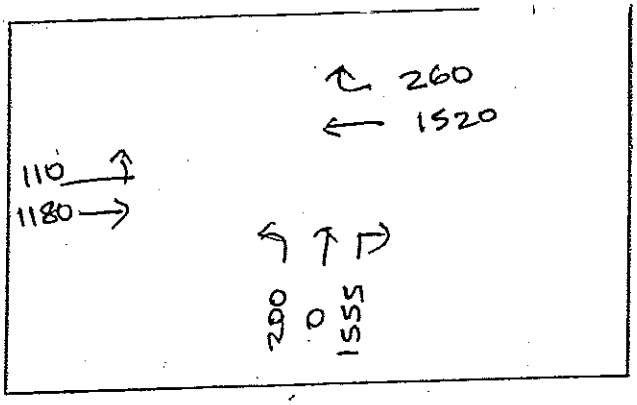
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2015 AM PM Rem D1

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	130	100	
55	130	100	
55	338	778	
55	339	777	
55	339		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
55	760	778	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1593

☐ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

#25

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

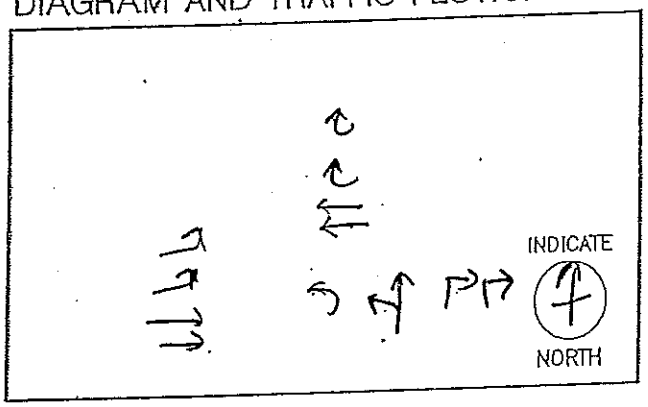
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

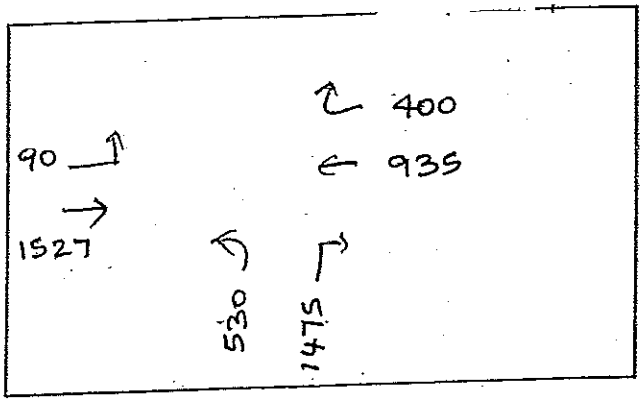
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE _____

TIME 2015 AM/PM Run D1

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45 45 45 45 45	200 200 467 468 464 464	265 265 737 738	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
45	468	738	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1251

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

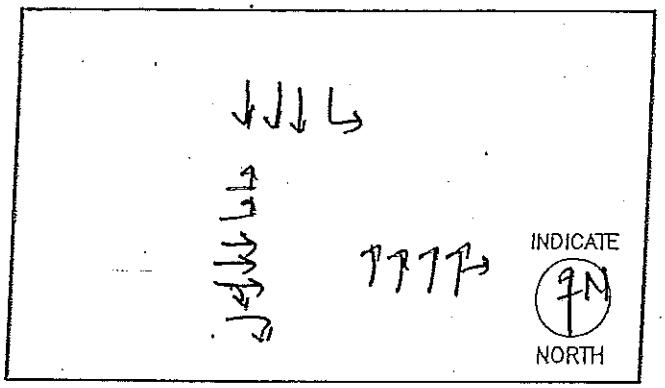
INTERSECTION SR 56 EB Ramps / El Camino Road

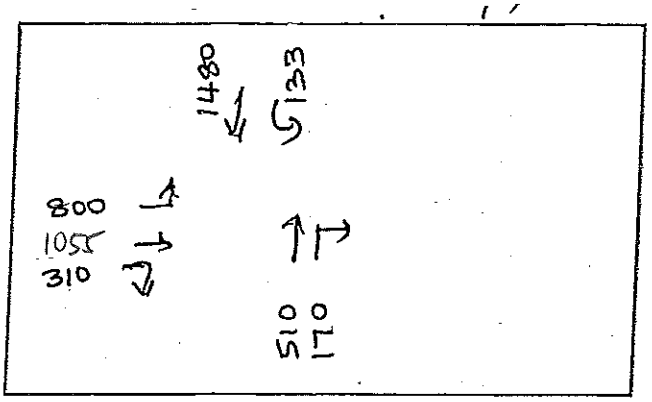
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2015 / AM PM Run D

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 400 352 352 506 155	133 133 133 133	360 360 361 127 127 128 298	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
506	133	361	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1000

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS Under Capacity

#29

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

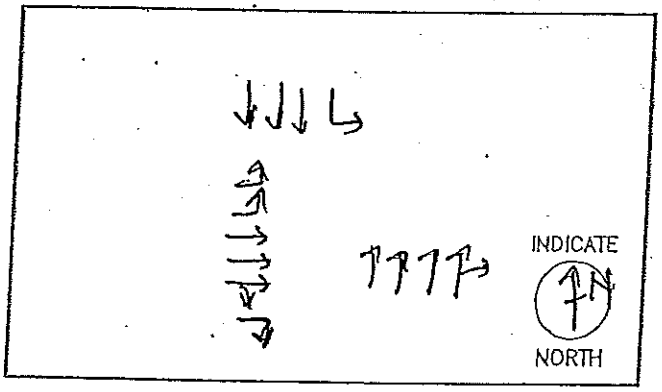
INTERSECTION SR 56 EB Ramps / El Camino Real

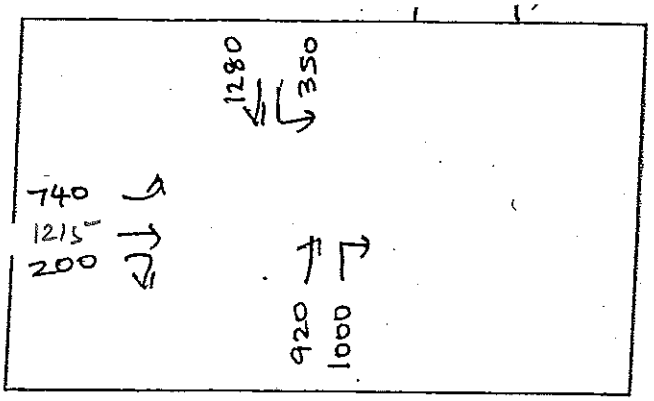
DIST. CO. RTE. P.M. 11 / SR56

BY VG DATE

TIME 2015 AM/PM Run. D1

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
370 370 405 405 505 100	350 350 350 350	76 77 77 230 230 230 1230	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
505	350	1230	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
2085

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

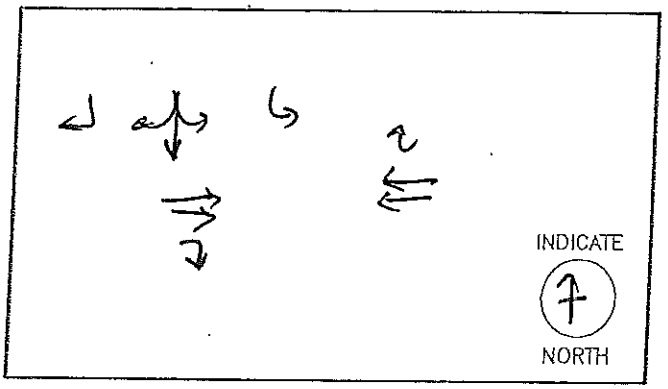
INTERSECTION I-5 SB Ramps / Via de la Valle.

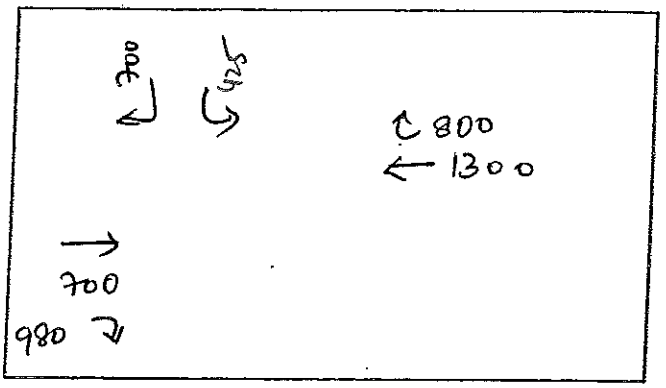
DIST. CO. RTE. P.M. 11 / I-5.

BY VS DATE

TIME 2030 AM PM Rum E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
350 / 350 / 650 / 650 / 650	350 / 562 / 213 / 150 / 330		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
650	562		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1212

☐ : 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

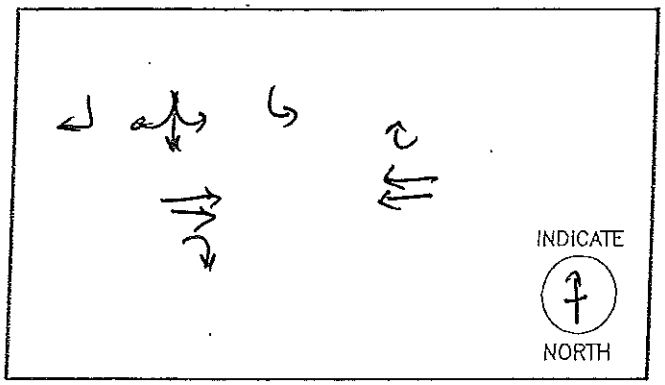
INTERSECTION I-5 SB Ramps / Via de la Valle.

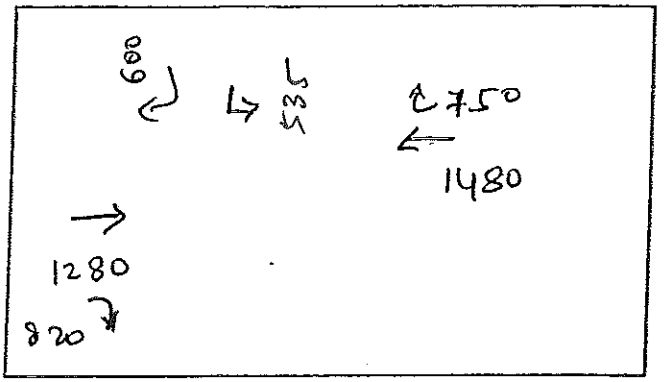
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

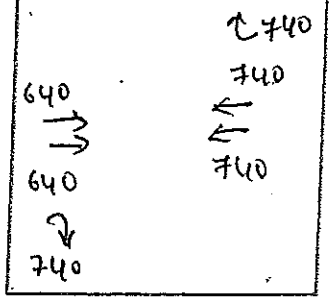
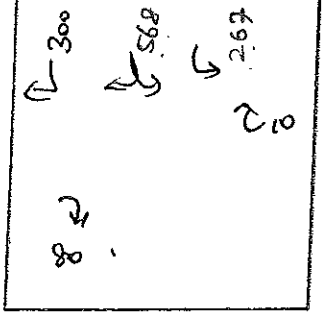
TIME 2030 AM [PM]. Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
740	562		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1308

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

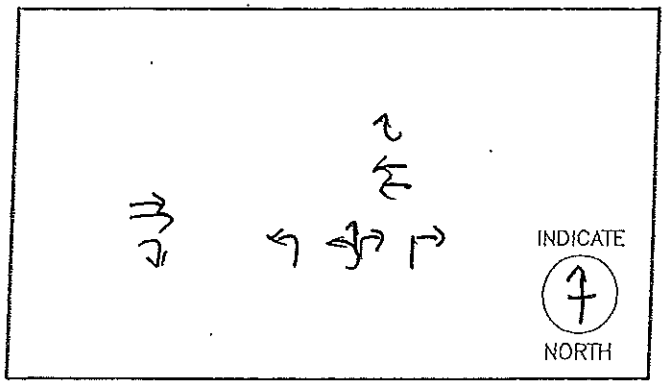
INTERSECTION I-5 NB Ramps / Via de la Valle

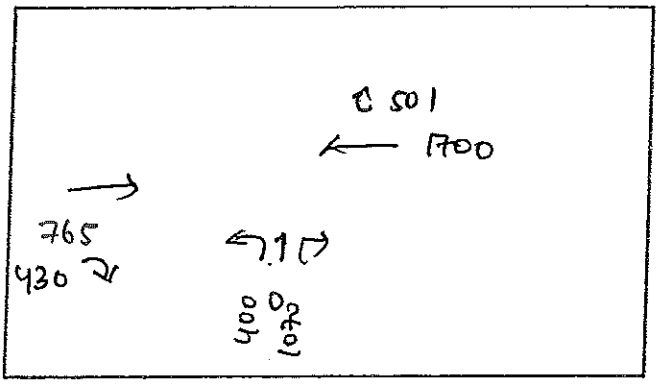
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

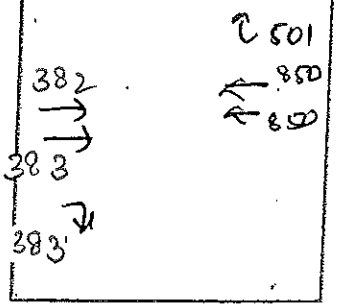
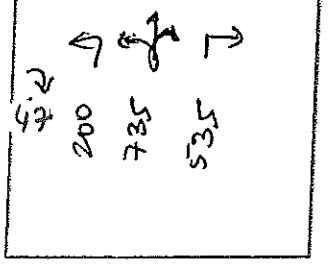
TIME 203 @ AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
850	735		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1585

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

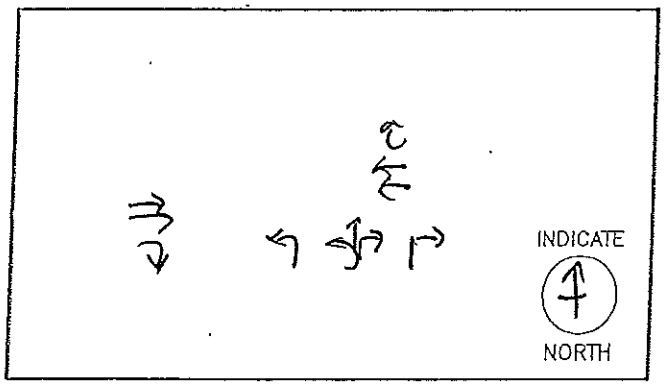
INTERSECTION I-5 NB Ramps / Via de la Valle

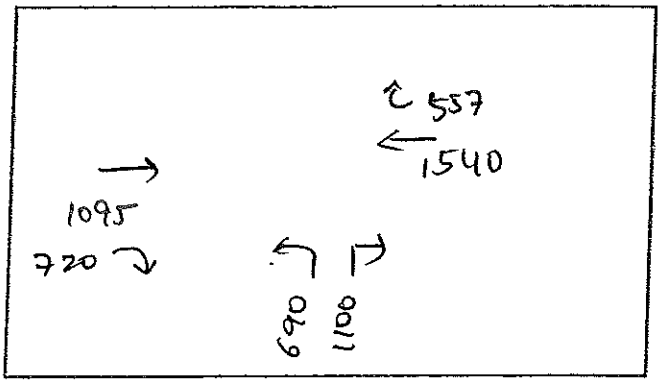
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 PM . Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
557 770 547 548 770 548	172 345 895 550		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
770	895		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1665

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

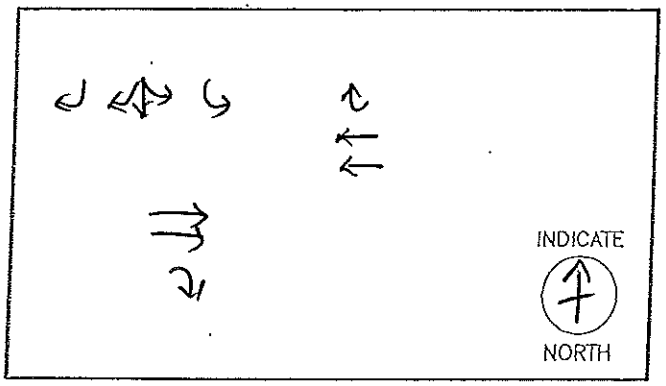
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

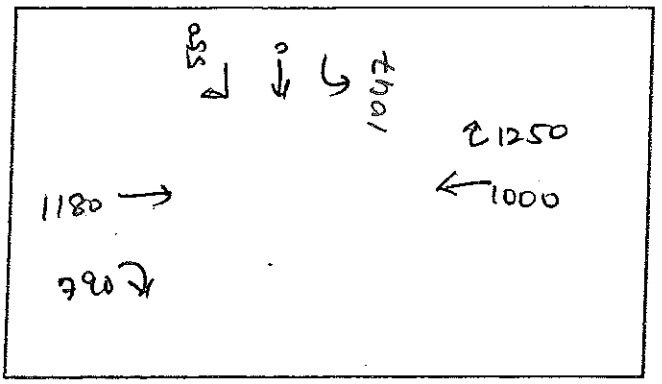
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

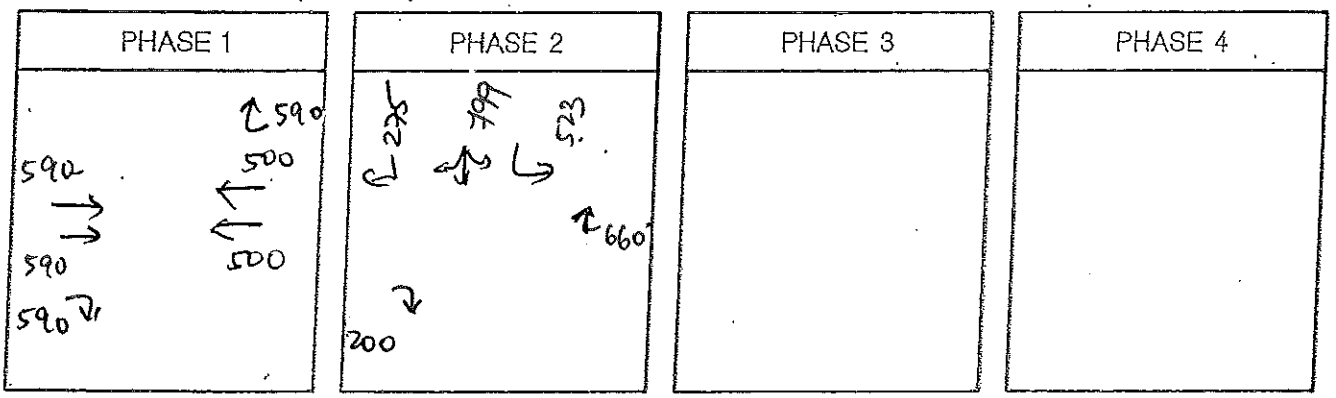
TIME 2030 [AM] PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
590	799		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1389

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Near Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

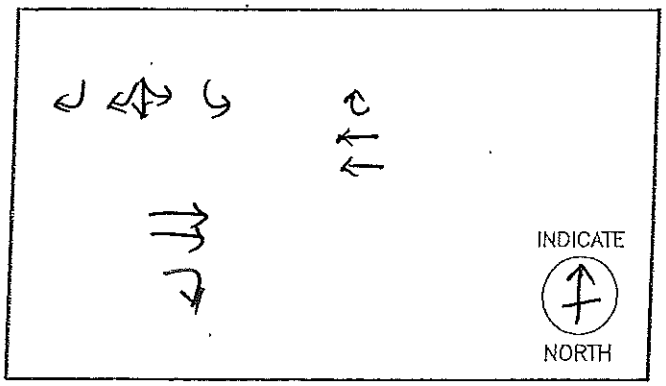
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

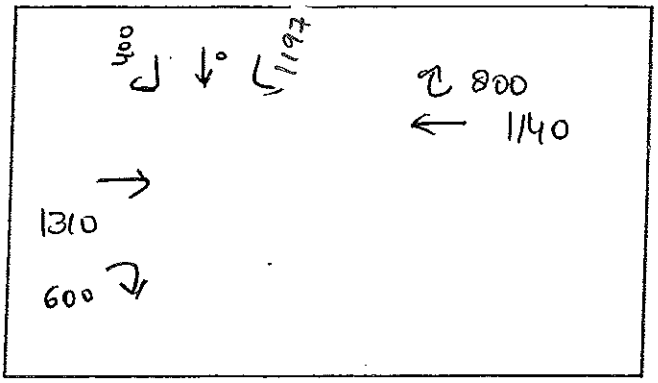
DIST. CO. RTE. P.M. 11 / J-5

BY VS DATE

TIME 2030 AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
655, 570, 655, 570, 655, 600	200, 799, 598, 145		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
655	799		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1454

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

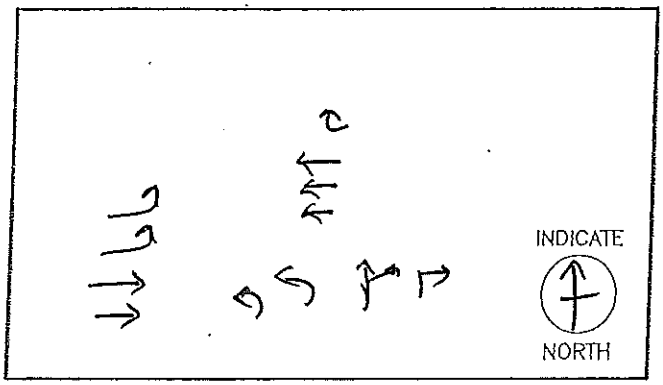
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

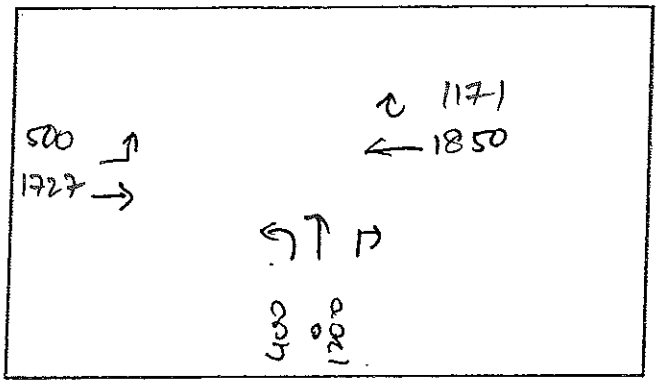
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2030 /AM/PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
17 240 200 680 60	250 250 250 250	1171 616 617 613 614 617	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
600	250	1171	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
2021

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

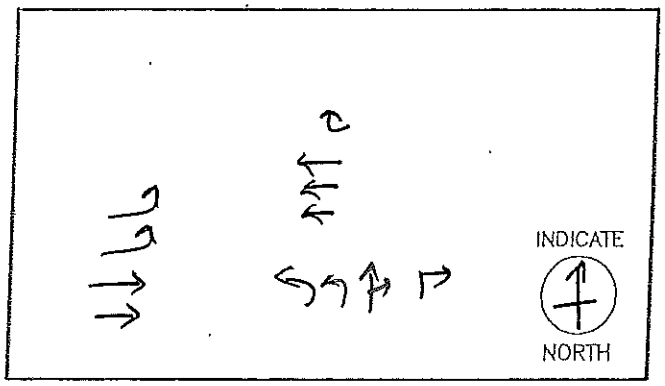
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

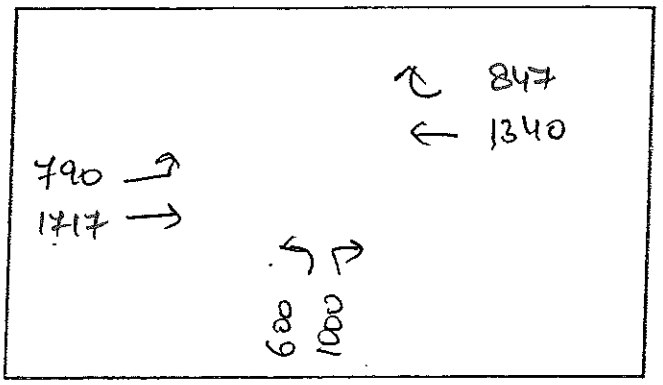
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
200 300 500	395 395 395 395	847 670 670 463 464	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
500	395	847	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1742

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

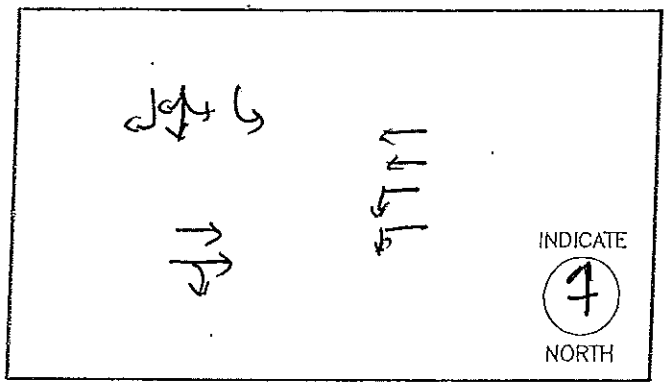
INTERSECTION I-5 SB Ramps / Carmel Valley Road

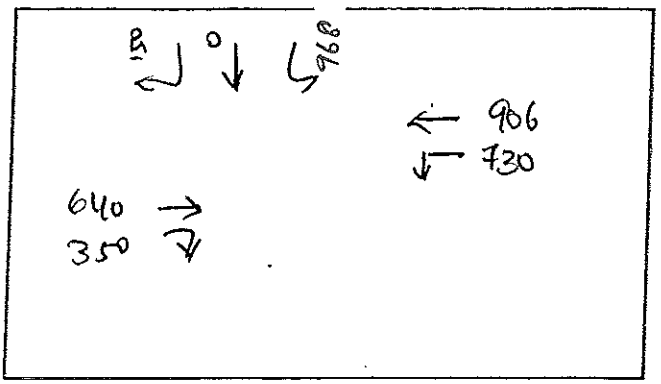
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
75 559 484	365 365 365 365	88 88 320 670	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
559	365	670	

TOTAL OPERATING LEVEL (ILV/HR) IS . . . ☐ < 1200 ILV/HR.

Σ
1594.

> 1200 BUT < 1500 ILV/HR.

☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

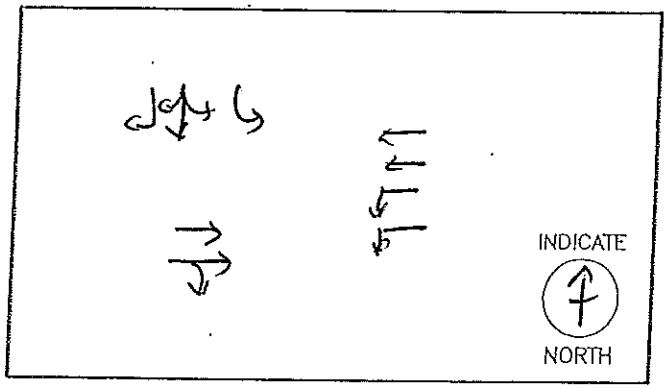
INTERSECTION I-5 SB Ramps / Carmel Valley / Road

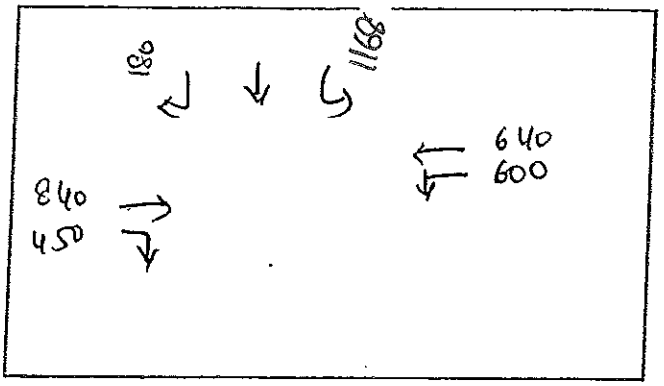
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
90, 674, 584	300, 300, 300, 300	420, 870, 20, 20	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
674	300	870	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1844

☐ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

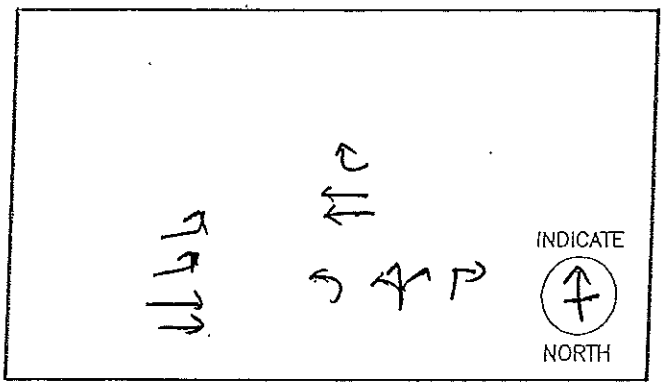
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

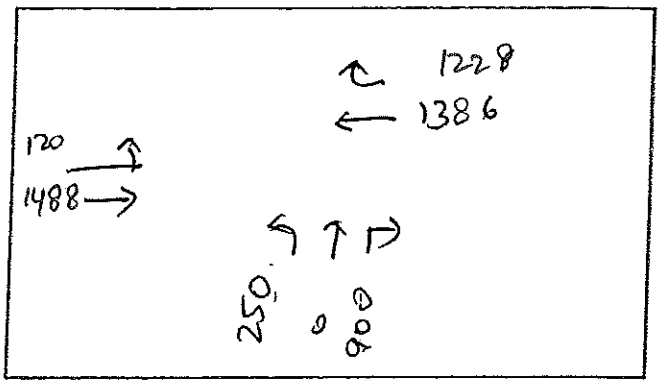
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 [AM] PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 60 60 60	744 744 693 693 693	535 125 575 450	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	744	575	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1379

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

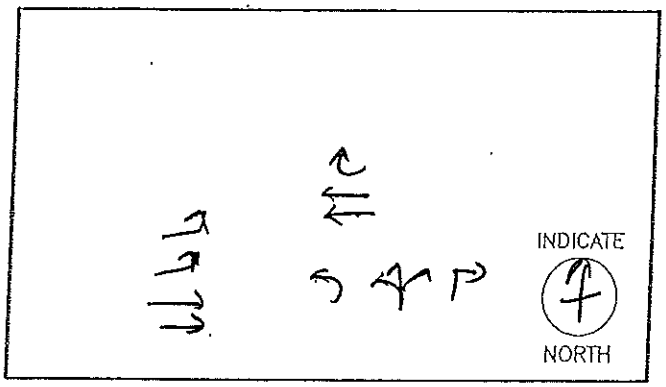
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

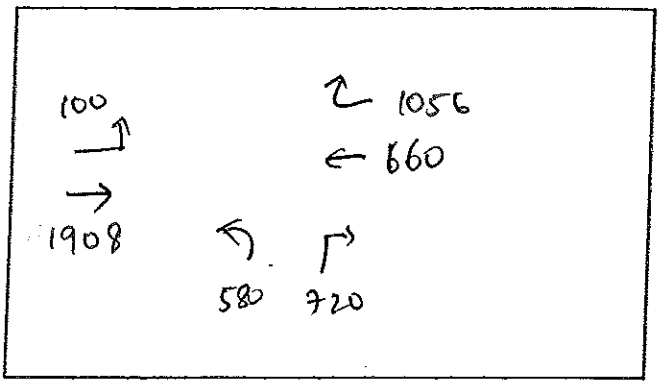
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE _____

TIME 2030 AM/PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	904 330 330 904 904	152 23 65 360	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	904	650	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1604

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

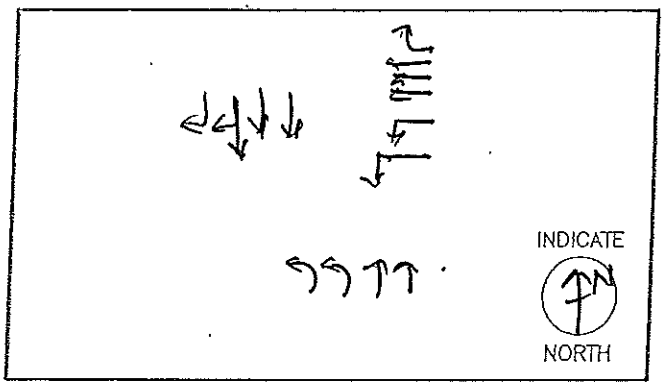
INTERSECTION SR 56 WB Ramps / El Camino Road

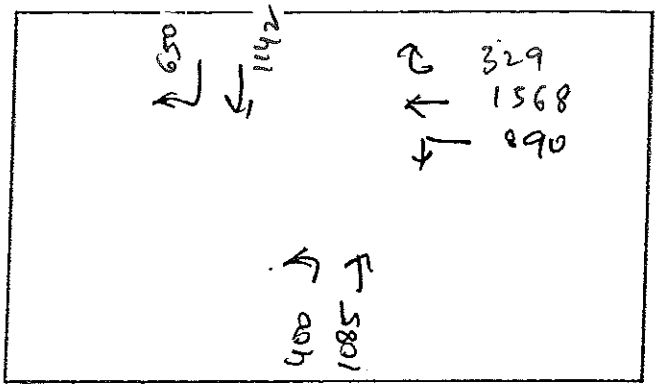
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

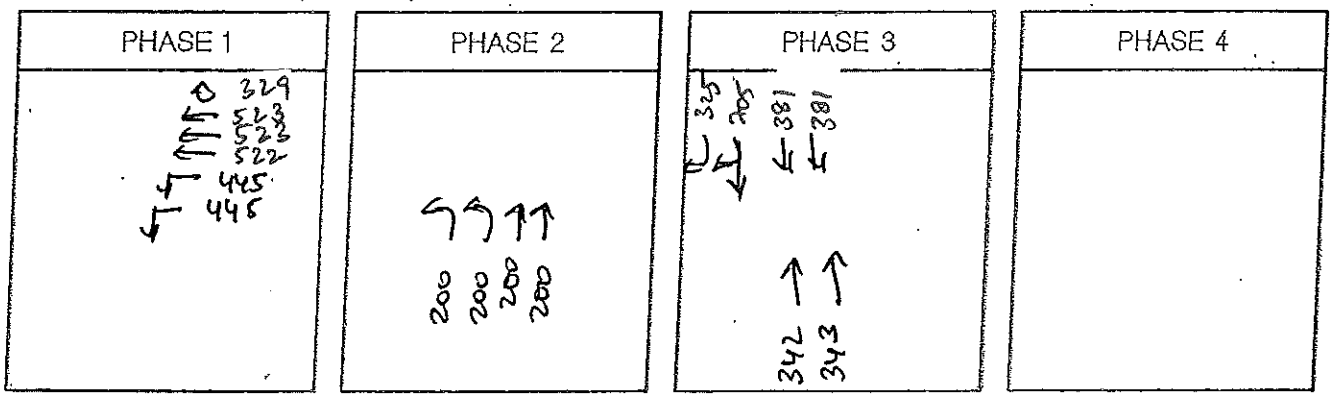
TIME 2020 /AM PM Rev 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
523	200	705	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1428

IS . . .

- ☑ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

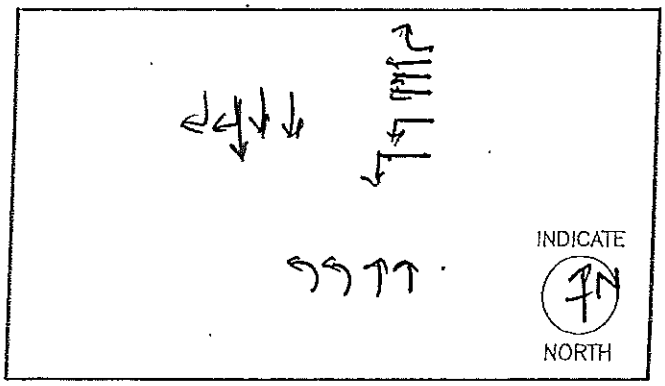
INTERSECTION SR56 WB Ramps / El Camino Road

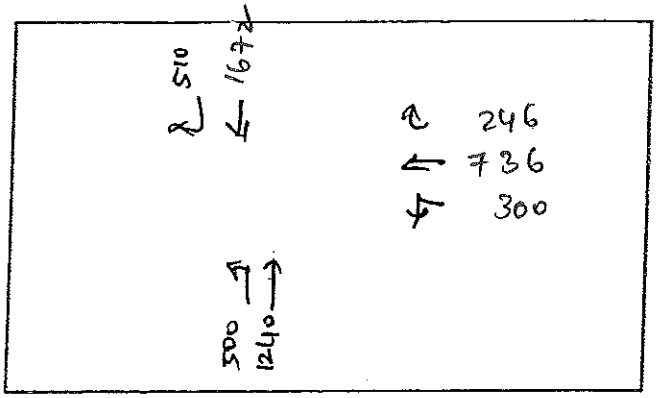
DIST. CO. RTE P.M. 11 / SR56

BY VS DATE

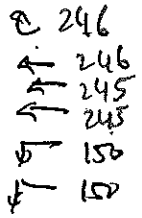
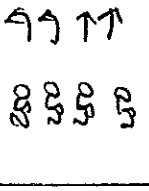
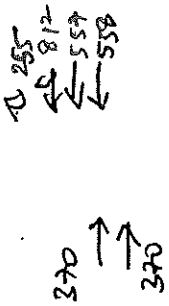
TIME 2020 AM/PM Rev E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
246	250	812	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1308

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

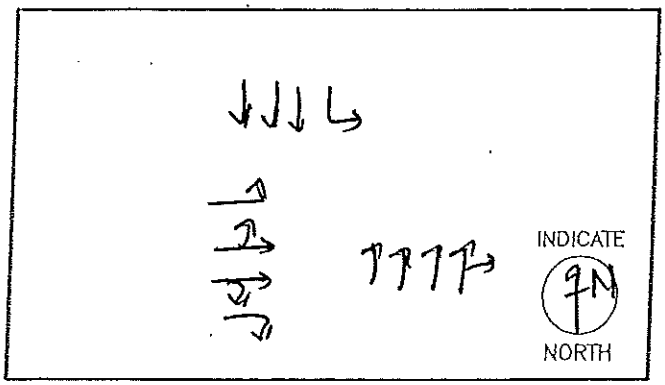
INTERSECTION SR 56 EB Ramps / El Camino Real

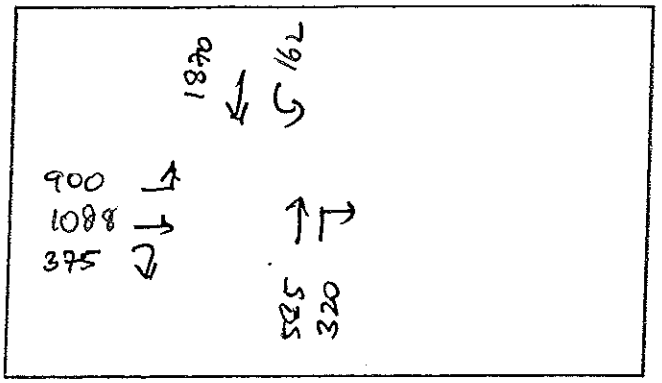
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2030 AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
450 ↑ 994 ↑ 732 → 187 ↓	162 ↓ 162 ↓ 162 ↓ 162 ↳	461 ↓ 461 ↓ 462 ↓ 146 ↑ 146 ↑ 467 ↗	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
994	162	467	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1623

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

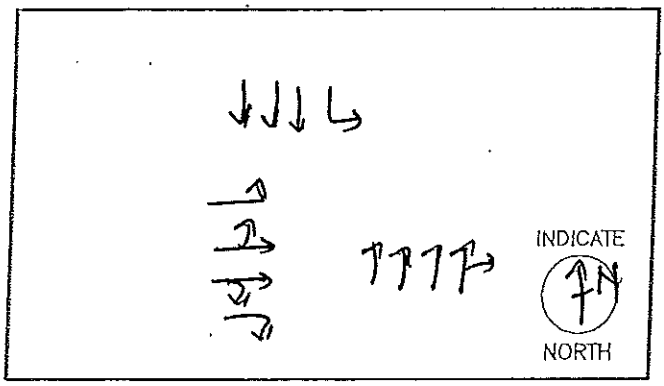
INTERSECTION SR 56 EB Ramps / El Camino Real

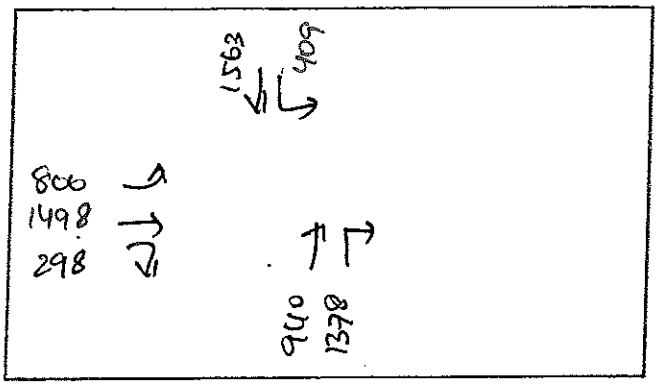
DIST. CO. RTE. P.M. 11 / SR56

BY VG DATE

TIME 2030 AM/PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 1149 898 149	409 409 409	112 112 112 235 235 235 613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
1149	409	1613	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
3164

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

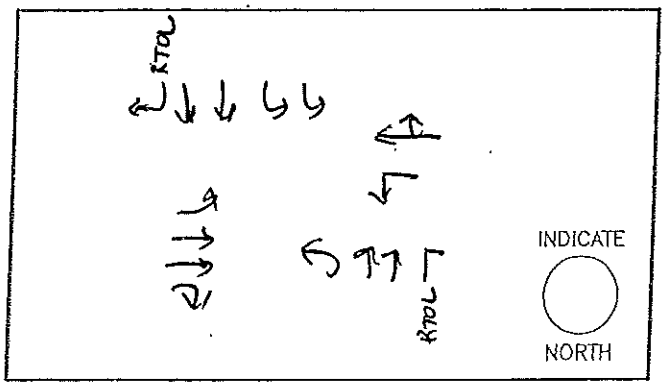
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

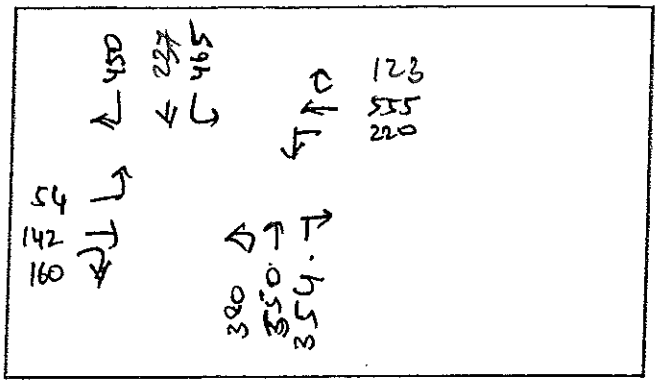
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

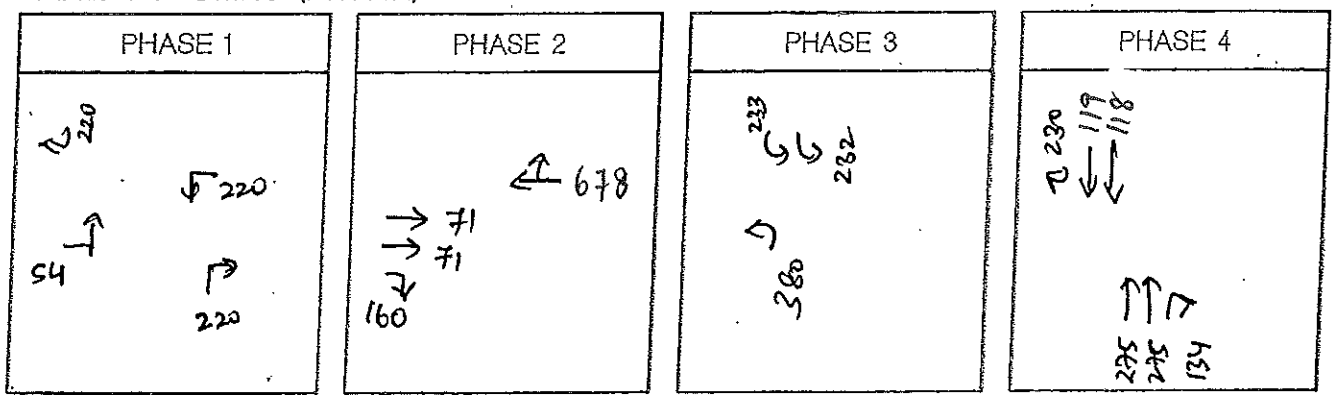
TIME 2030 AM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
220	678	380	295

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1553

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

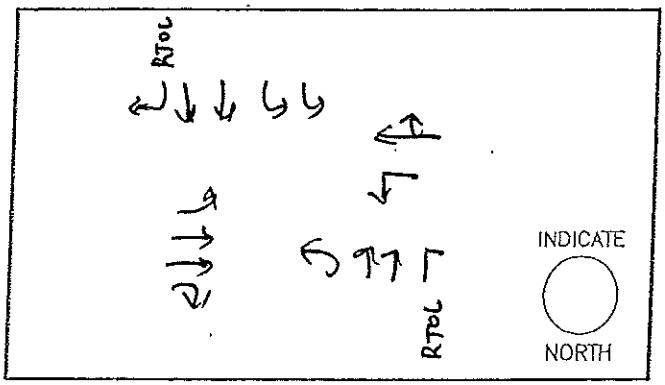
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

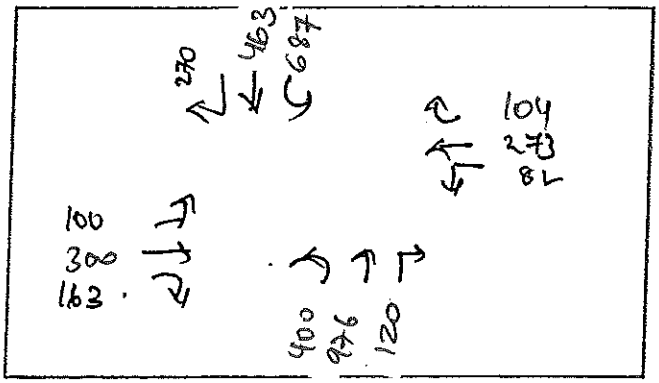
DIST. CO. RTE. P.M. 11 / SR 56

BY VLS DATE

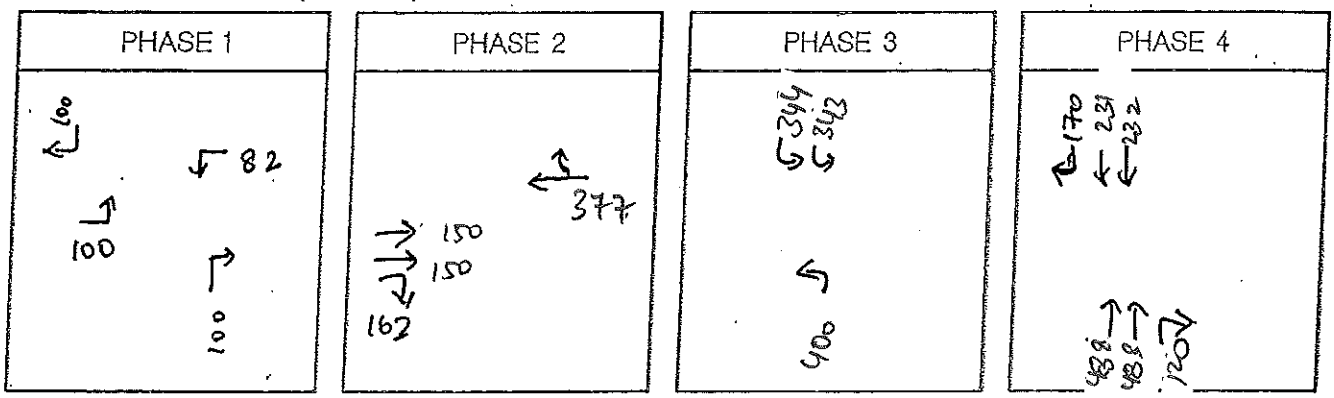
TIME 2030 PM 2030 Rum E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
100	377	400	488

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1365

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

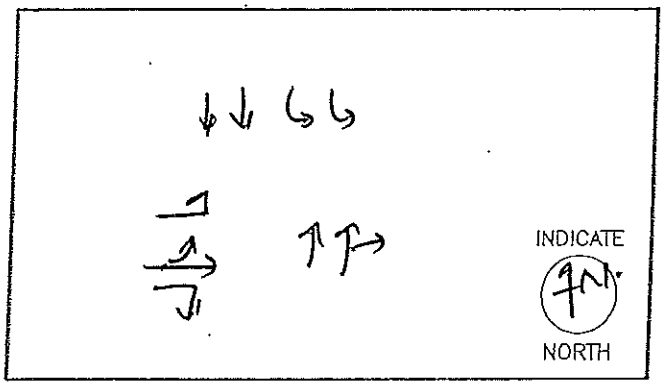
INTERSECTION SR 56 Ramps / Carmel Creek Road

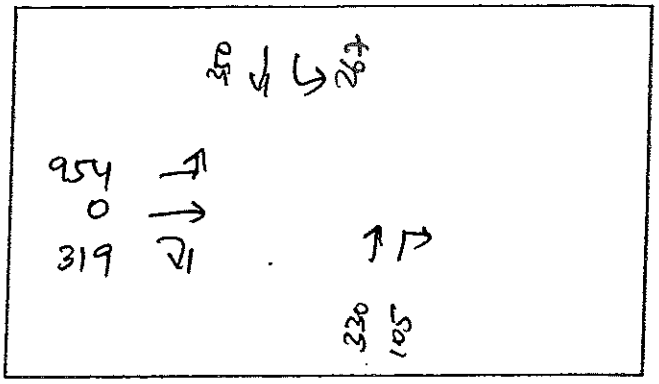
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2:30 AM/PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
477 477 319	134 134 133 134	41 5 165 270	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
477	134	270	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
881

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

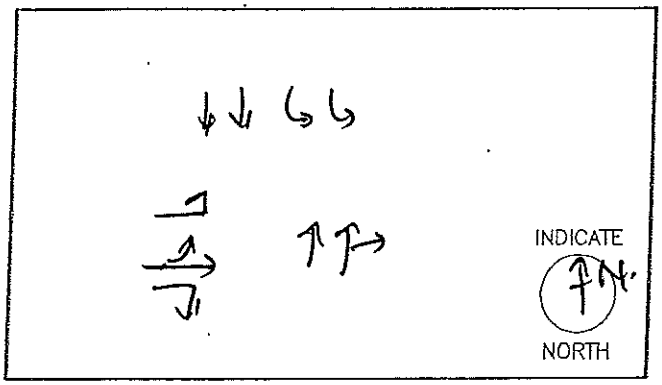
INTERSECTION SR 56 Ramps / Carmel Creek Road.

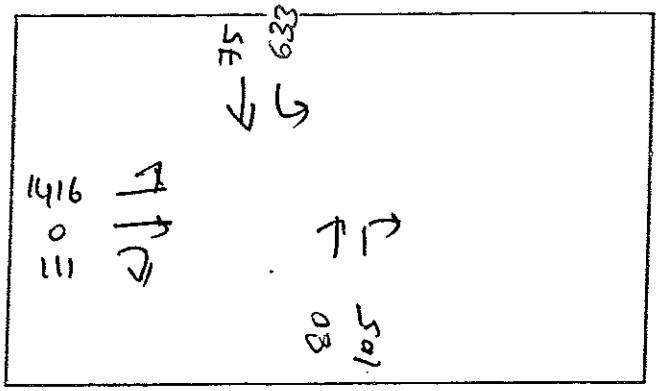
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE /

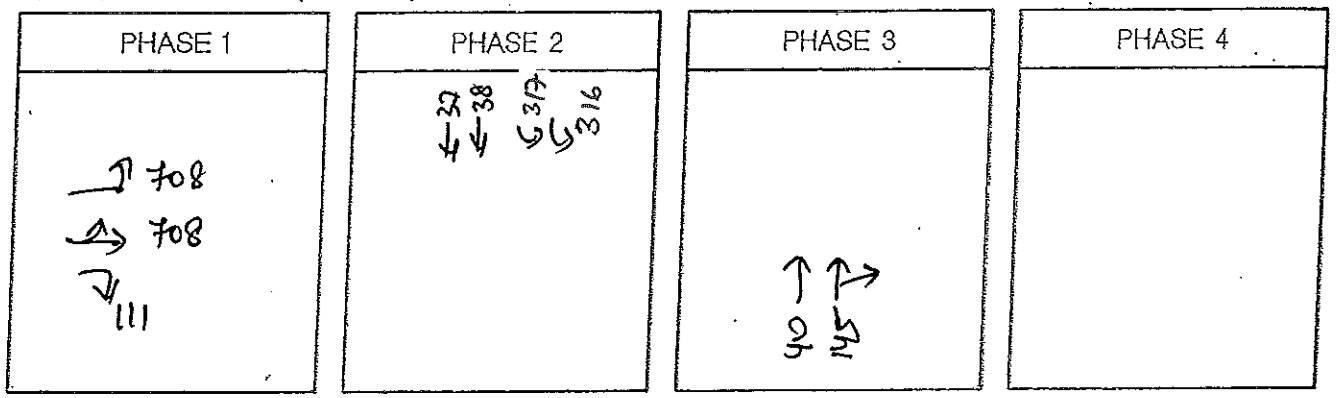
TIME 2030 AM/PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
708	317	145	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1170

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

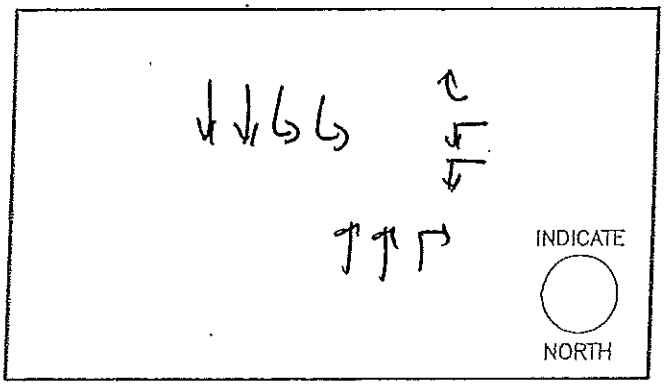
INTERSECTION Carmel Country Road / SR56 WB Ramps

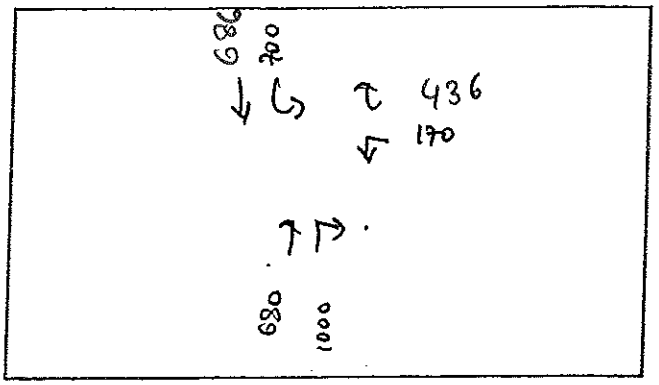
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2030 AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436 85 85	343 343 35 352	240 340 1000	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436	350	1000	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1786

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

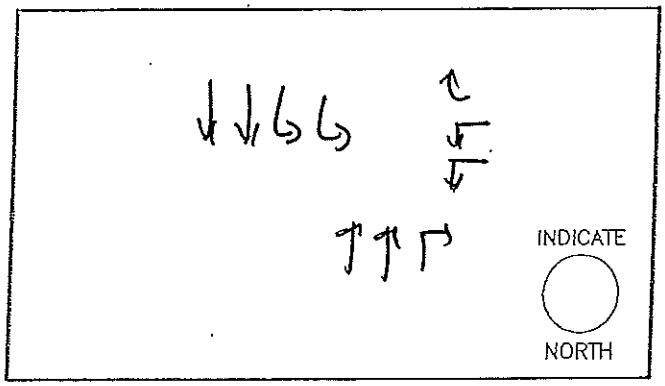
INTERSECTION Carmel Country Road / SR56 WB Ramps

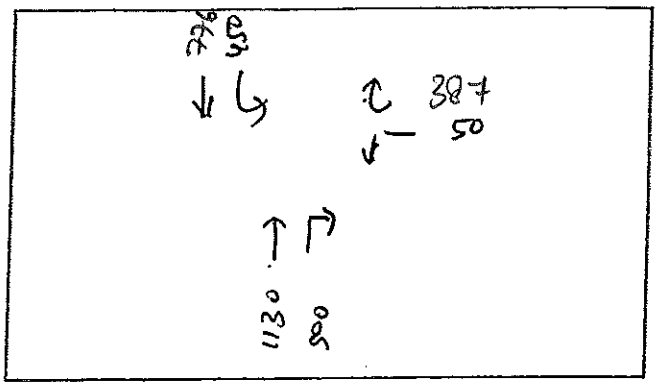
DIST. CO. RTE. P.M. 11/SR56

BY VL DATE

TIME 2030 AM (PM) Ram E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
387 25 25	225 225 225	163 163 565 565 90	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
387	225	565	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1177

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

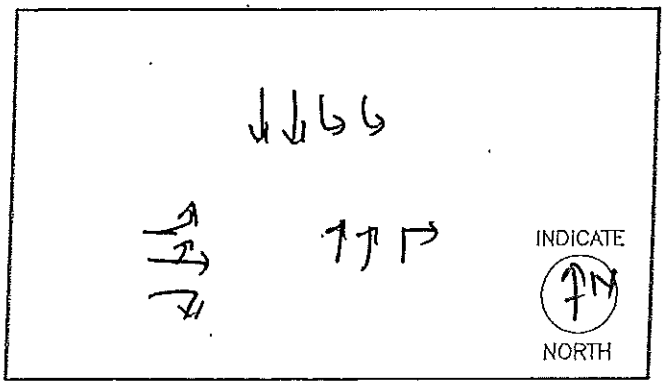
INTERSECTION SR56 EB Ramps / Carmel Country Road

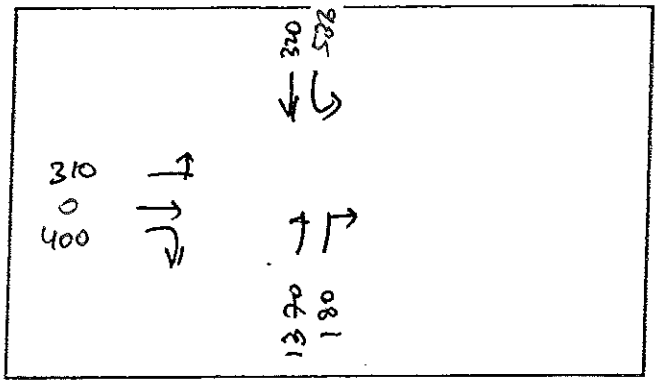
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

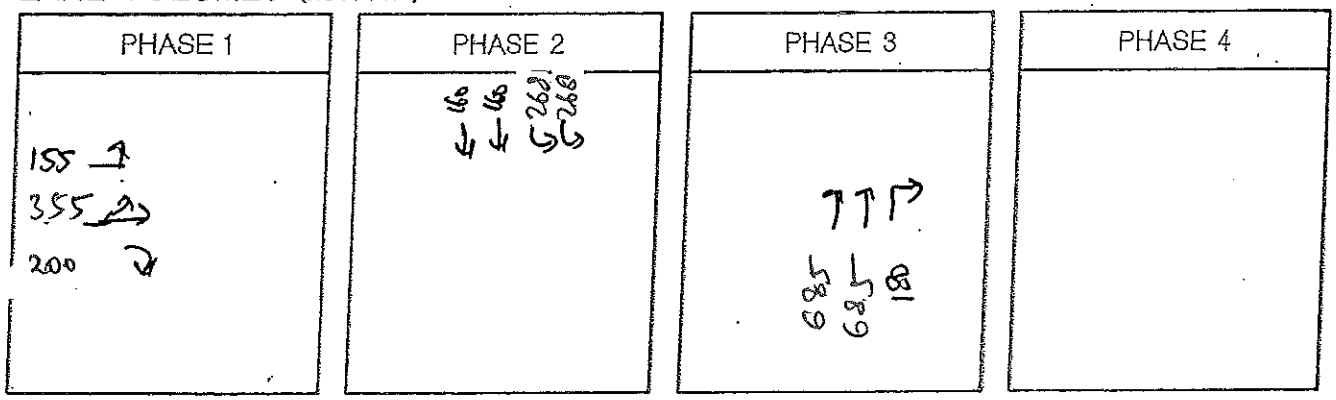
TIME 2030 (AM) PM Rm E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
355	268	457	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1308

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

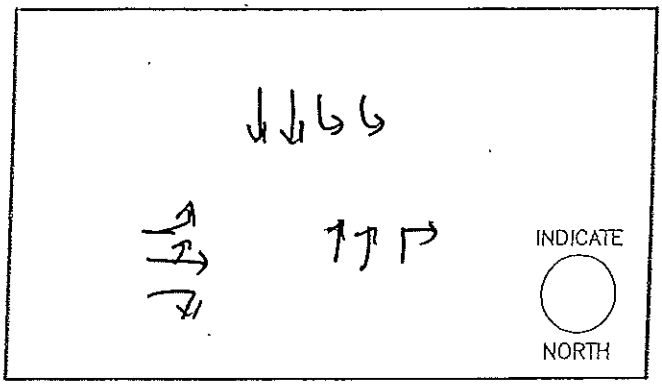
INTERSECTION SR56 EB Ramps / Carmel Country Road

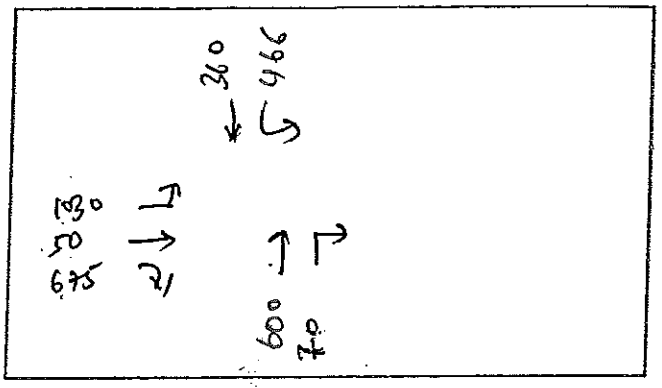
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2030 AM/PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
515 565 675	145 145 233 233	35 35 300 300	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
675	233	300	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1208

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

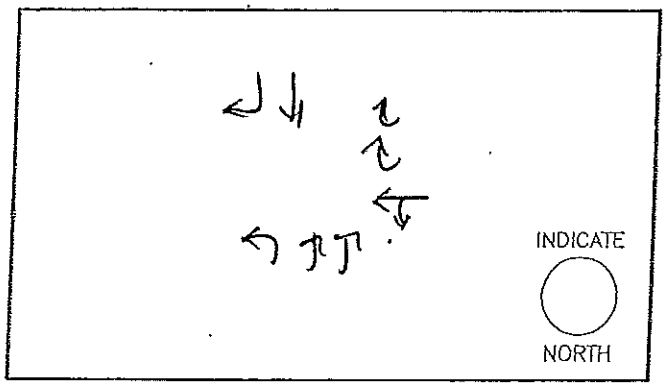
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

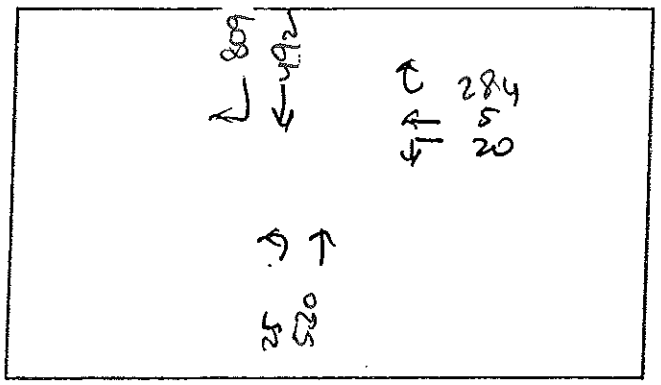
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 8:30 AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
142 142 25	25 25 25	809 492 240 240	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
142	25	809	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
976

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

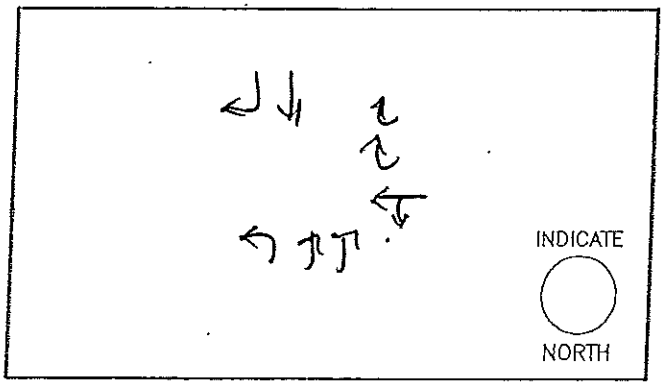
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

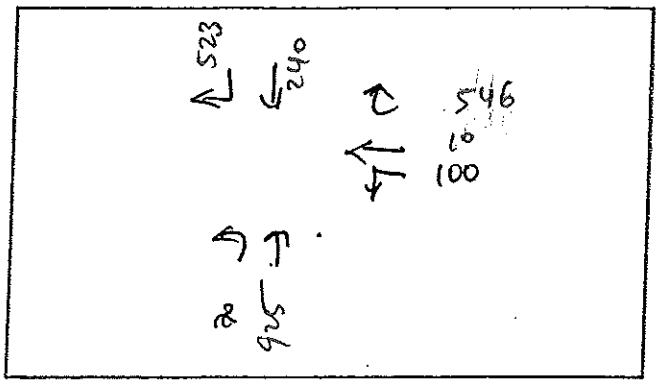
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM [PM] Rum E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
273 273 110	35 35 35	523 240 427 428	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
273	35	523	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
821

- [X] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

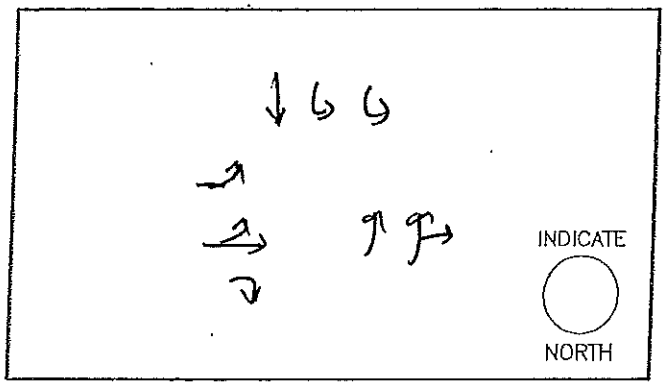
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

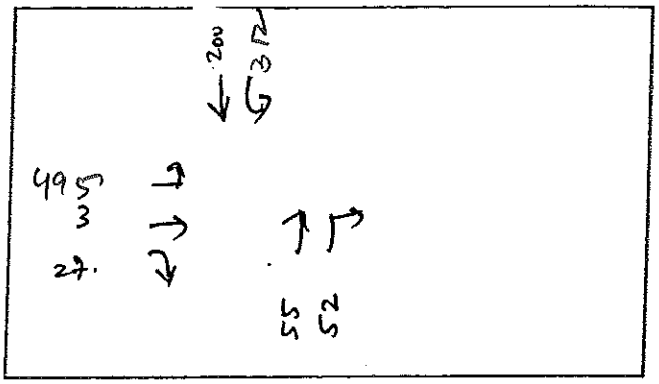
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2030 / AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
247 251 27	156 156 156	46 27 80	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
251	156	80	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
487

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

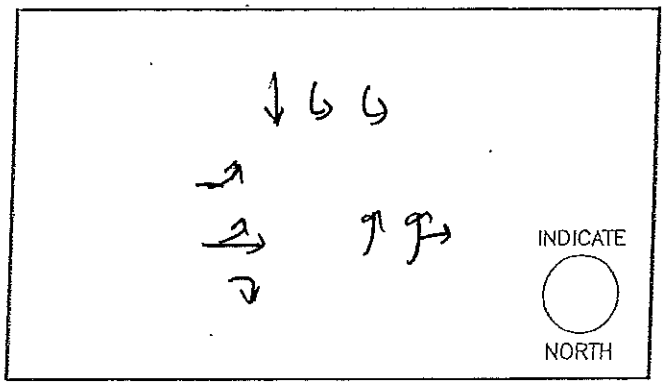
INTERSECTION SR 51 EB Ramps / Carmel Valley Road

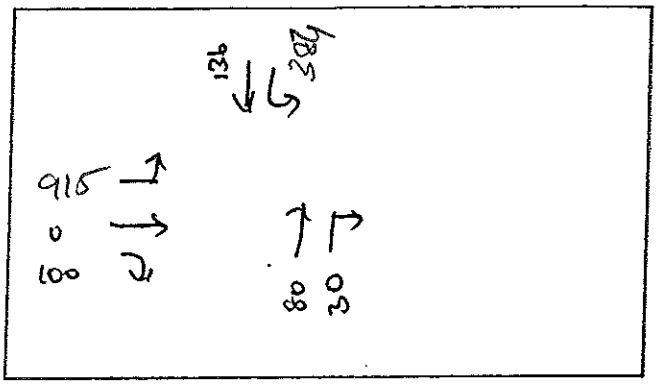
DIST. CO. RTE. P.M. 11/SR 56

BY US DATE

TIME 2030 AM/PM Rum. E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
457 / 458 / 100	136 / 192 / 192	70 / 8	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
458	192	70	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
720

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

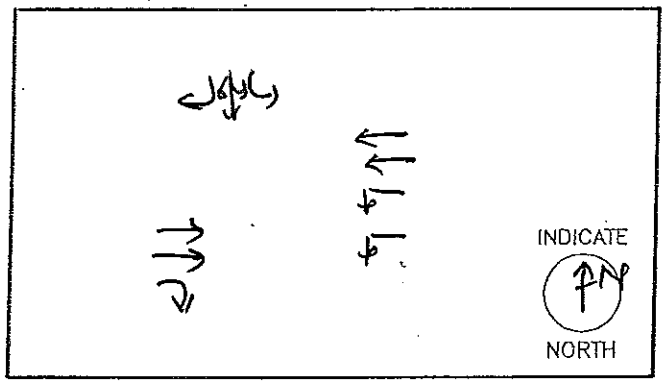
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

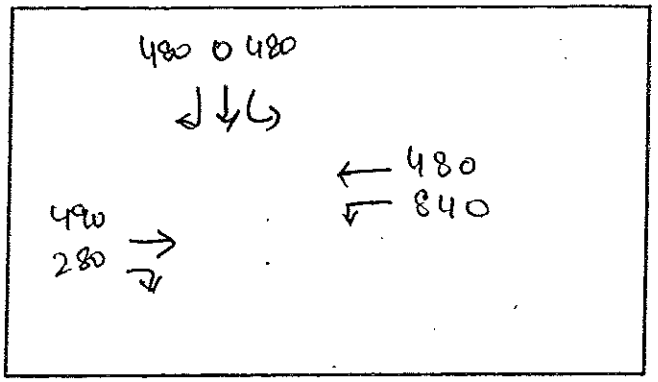
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 [AM] PM Run. 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
240 480 240	240 240 245 245 280	420 420	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
480	280	420	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1180

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

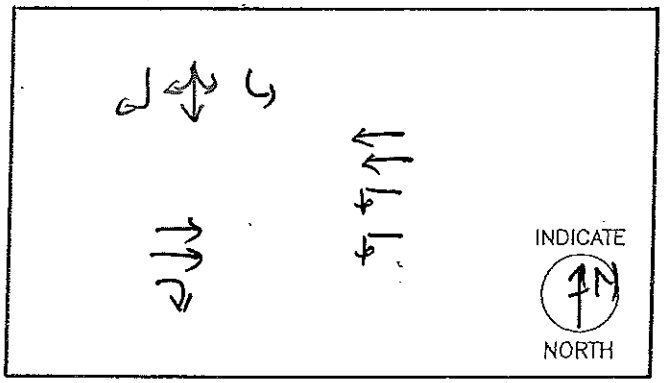
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

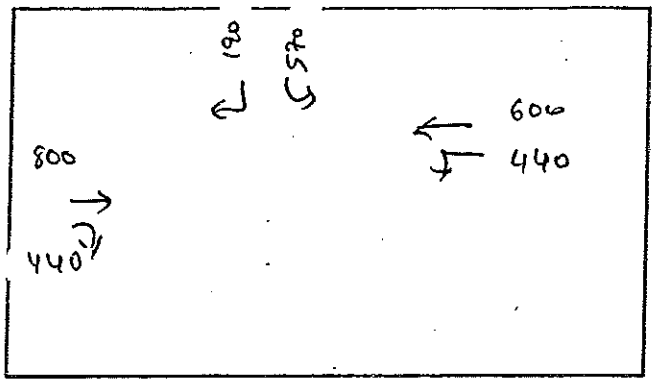
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 PM Rem E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
95, 380, 285	300, 300, 400, 400, 440	220, 220	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
380	440	220	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1040

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

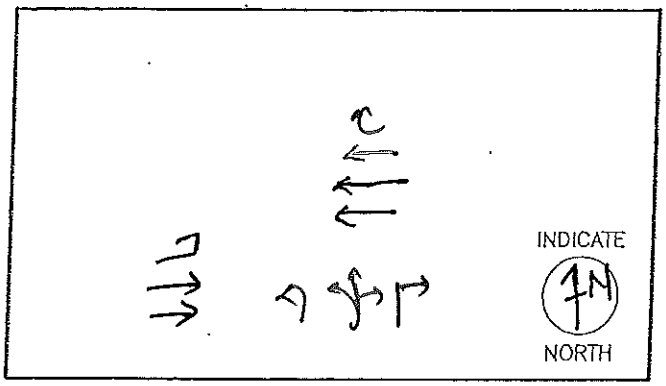
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

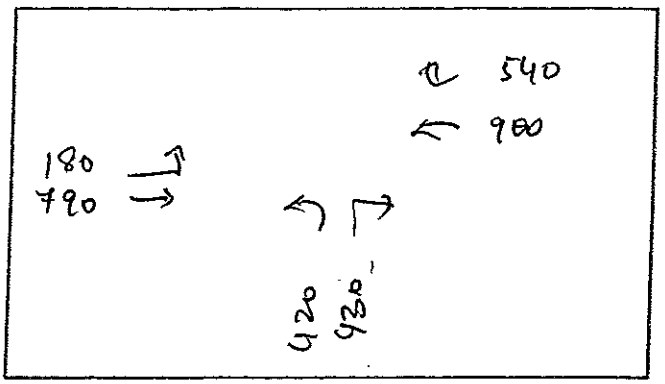
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 / AM PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
210 425 235	180 180 180	540 300 300 300 215 215	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	180	540	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1145

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

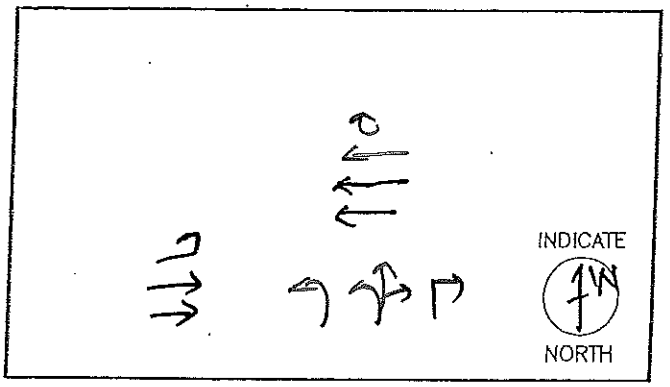
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

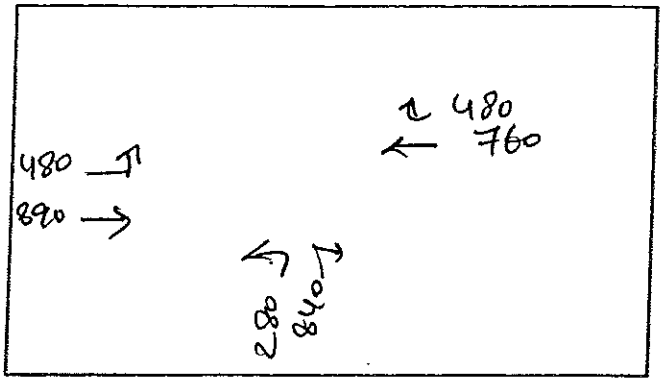
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run E

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
140 60 420	480 → 445 → 445	480 ← 253 ← 254 ← 253	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
560	480	480	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1520

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☑ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

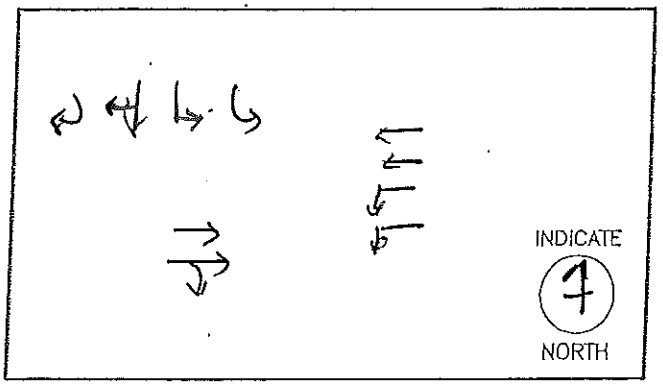
INTERSECTION I-5 SB Ramps / Carmel Valley Road

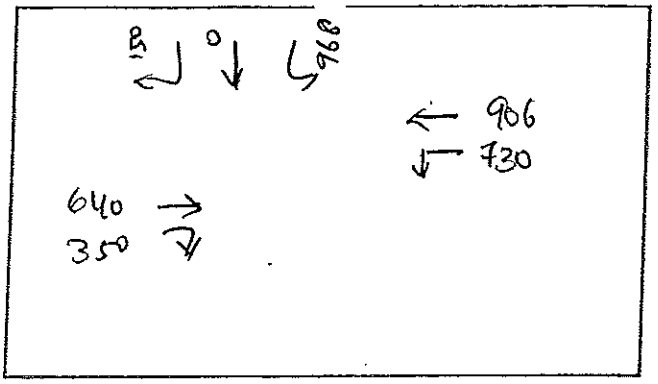
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
75, 75, 484, 484	365, 365, 365, 365	88, 88, 320, 670	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
484	365	670	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1519

- ☐ < 1200 ILV/HR.
- > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

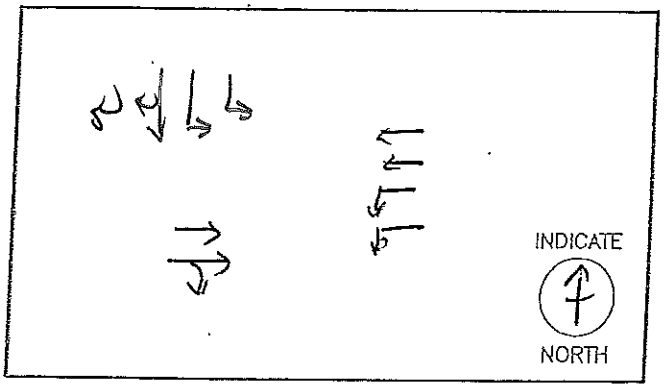
INTERSECTION I-5 SB Ramps / Carmel Valley Road

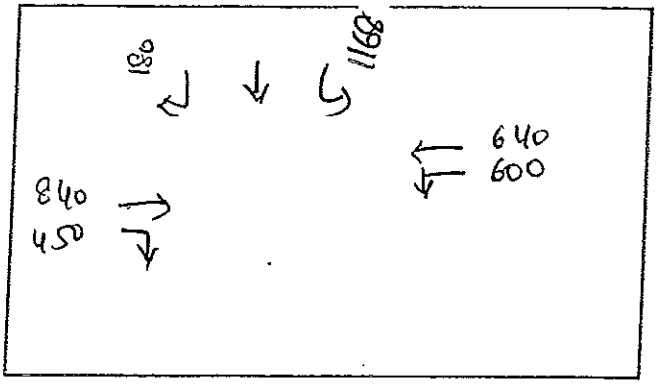
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2030 AM/PM Run F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
90 584 584 584	300 300 300 300	420 870 20 20	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
584	300	870	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1754

- ☐ < 1200 ILV/HR.
- ▯ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

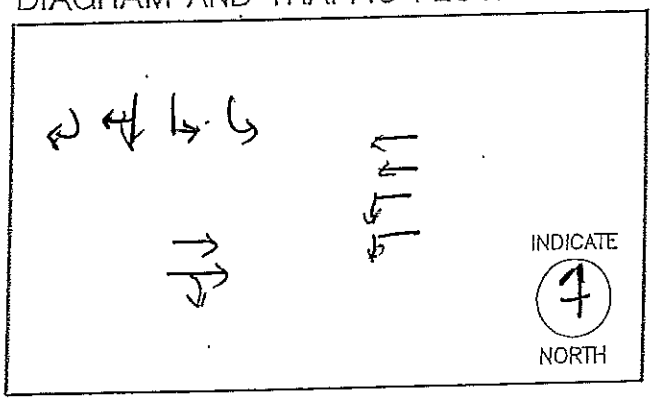
INTERSECTION I-5 SB Ramps / Carmel Valley Road

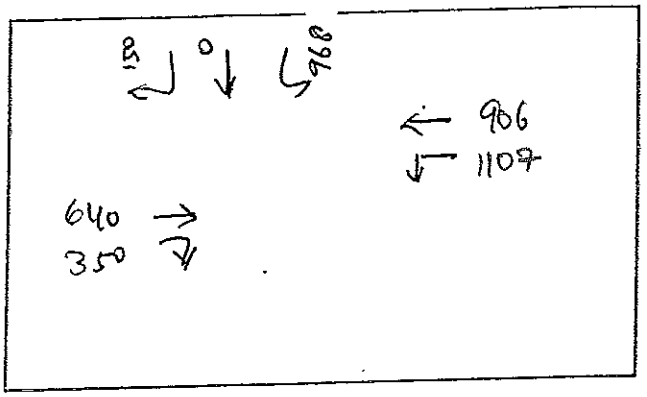
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2020 [AM] PM Run F (With WB Barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
↰ 75 ↰ 75 ↰ 484 ↳ 484	← 453 ← 453 ↰ 554 ↰ 553	→ 320 ⇉ 670	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
484	554	670	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1708

- ☐ < 1200 ILV/HR.
- > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

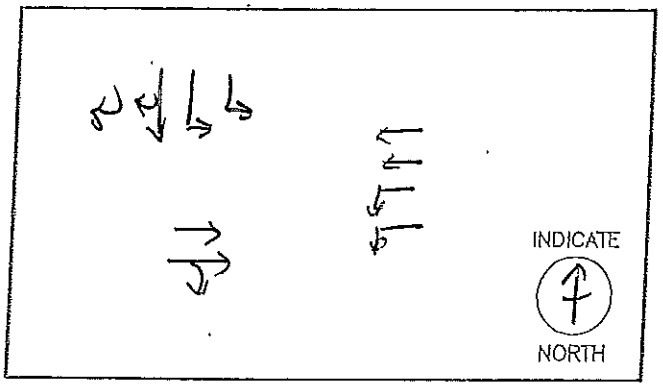
INTERSECTION I-5 SB Ramps / Carmel Valley / Rocat

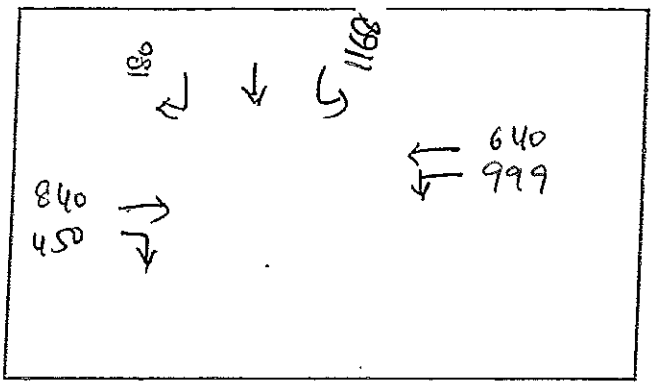
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM [PM] Run F with WB Barrier

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
90 90 584 584	320 320 500 499	420 870	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
584	500	870	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1954

IS . . .

- ☐ < 1200 ILV/HR.
- ▯ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

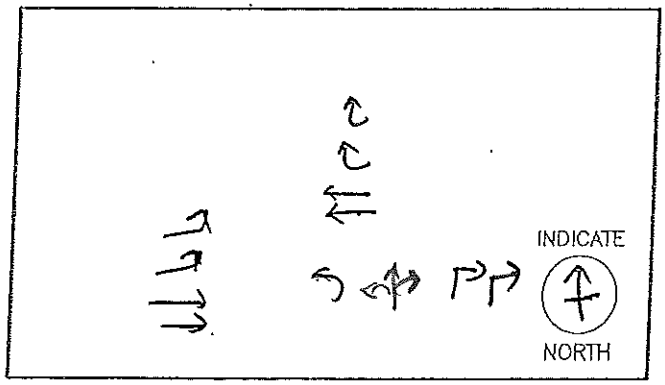
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

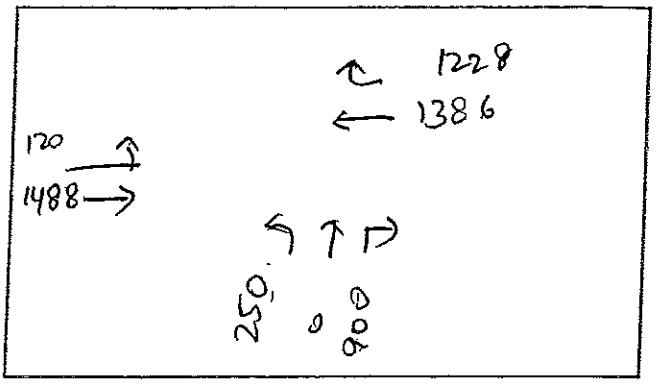
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 [AM] PM Rem F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 ↑ 60 ↑ 60 → 60 →	↑ 614 ↑ 614 684 → ← 693 ← 693 → 684	↰ ↑ ↱ ↱ 125 425 300 300	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	693	425	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1178

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

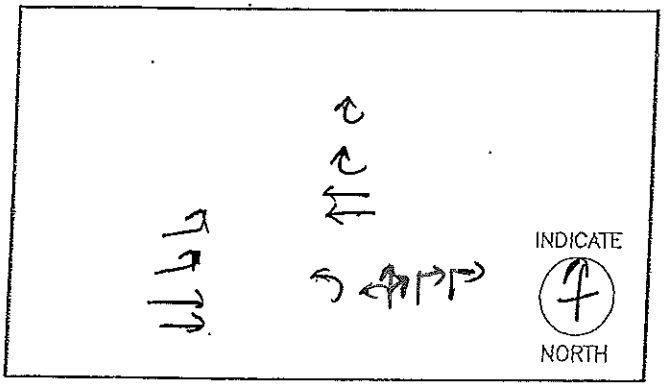
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

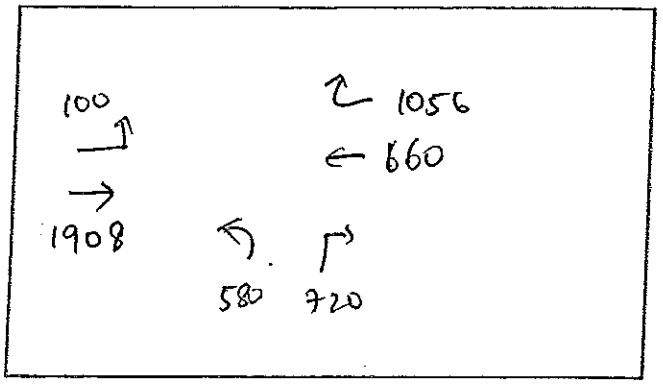
DIST. CO. RTE. P.M. 11 / I-5

BY VLS DATE _____

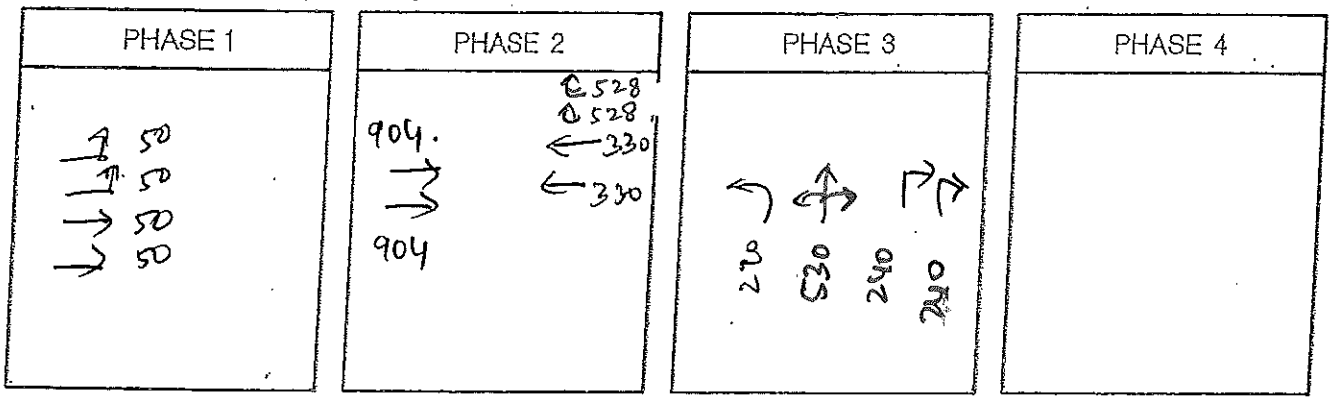
TIME 2030 AM/PM Run F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	904	530	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1484

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

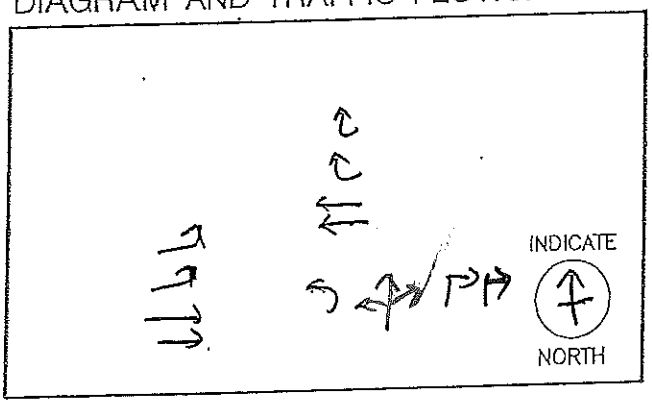
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

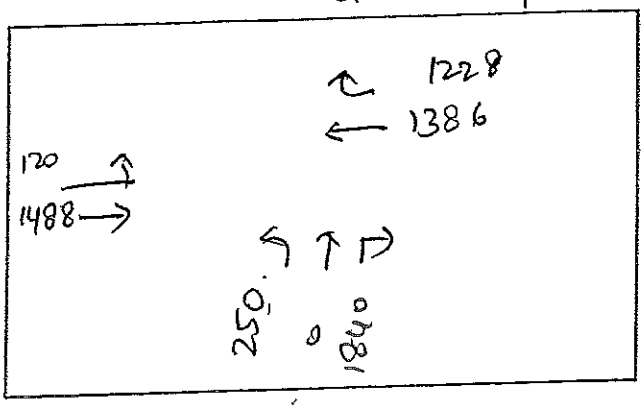
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Rem F (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	614	125	
60	614	739	
60	744	613	
60	693	613	
	693		
	744		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	744	739	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1543

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

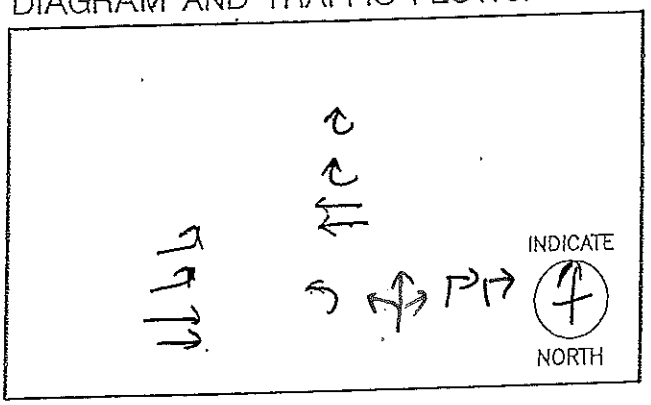
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

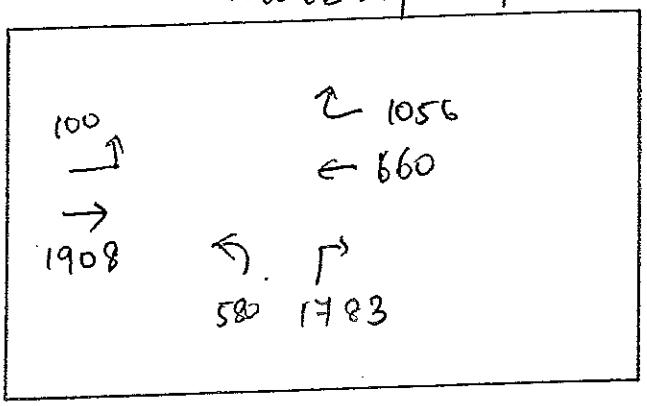
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run F (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	904 904 528 528 330 330	23 885 594 594	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	904	885	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1839

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

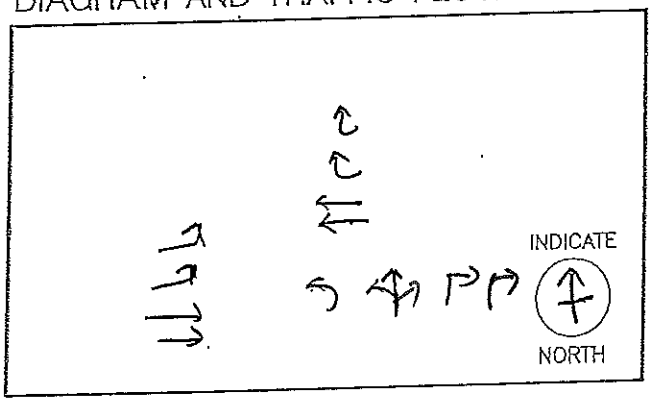
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

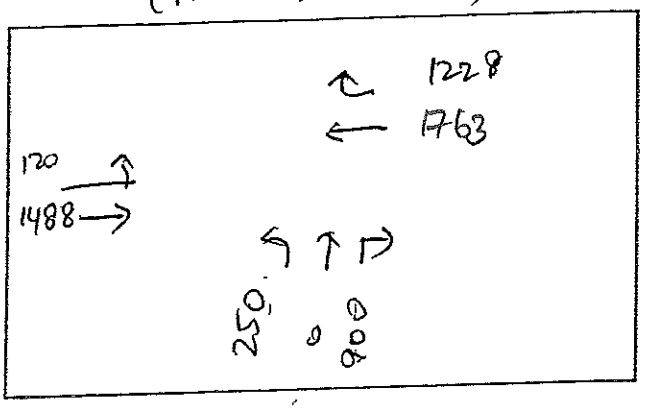
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Rem F (With WB Barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 ↑ 60 ↑ 60 → 60 →	↑ 614 ↑ 614 744 → → 744 ← 881 ← 882	125 425 300 300	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	882	425	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1367

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

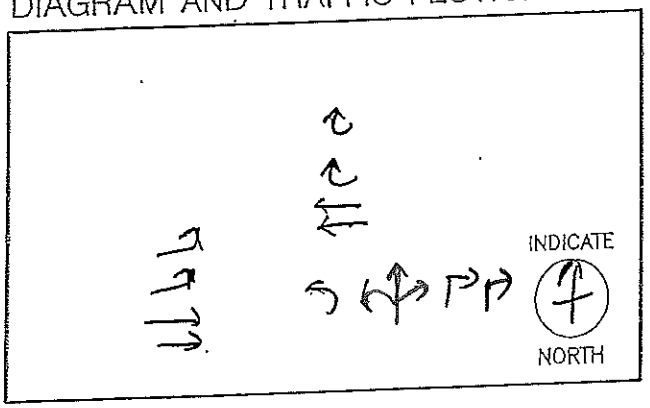
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

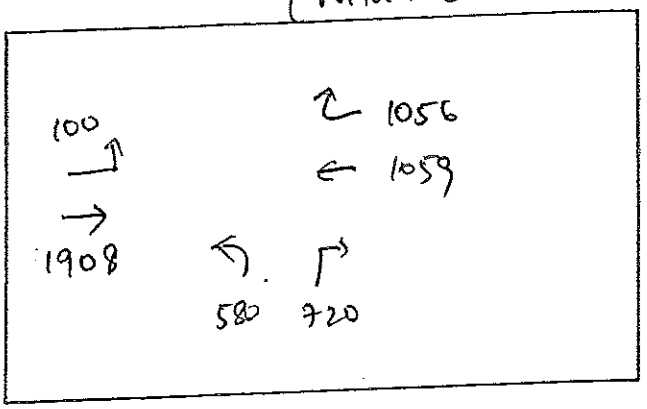
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run F (With WB Barriers)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	528 528 904 530 529 904	230 530 240 240	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	904	530	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ 1484

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

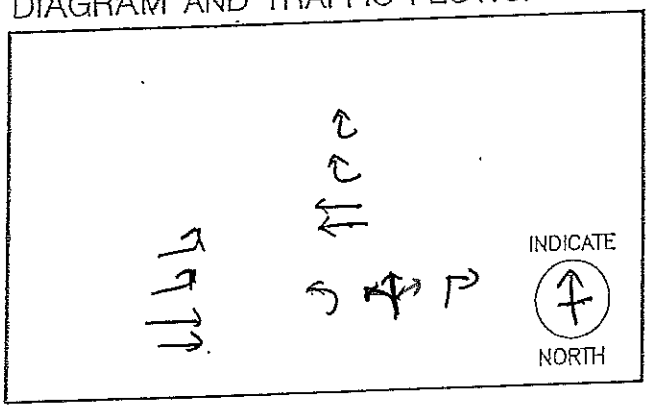
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

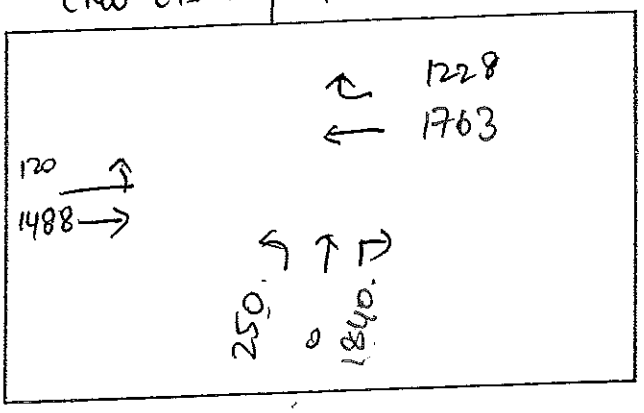
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Rem F (No EB Slip + With WB Barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 ↑ 60 ↑ 60 → 60 →	614 ↶ 614 ↷ 744 → → 882 ← 881 ← 744	↰ ↑ ↱ ↱ 125 739 613 613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	882	739	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1679

- ☐ < 1200 ILV/HR.
- D > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

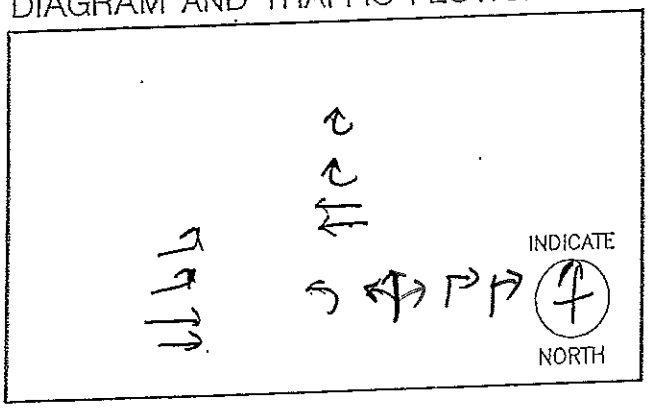
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

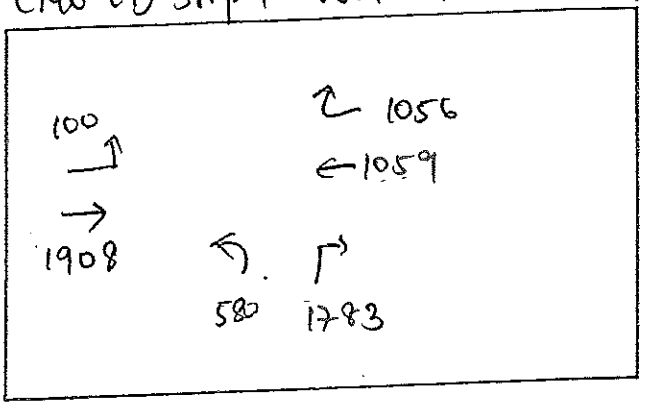
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run F (No EB Slip + with WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	904 904 528 528 530 529	220 885 594 594	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	904	885	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1839

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

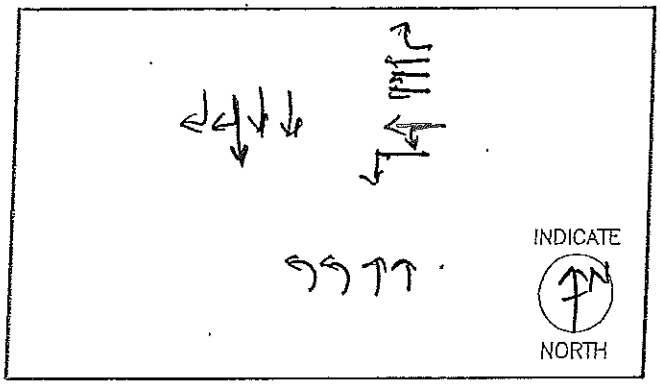
INTERSECTION SR 56 WB Ramps / El Camino Road

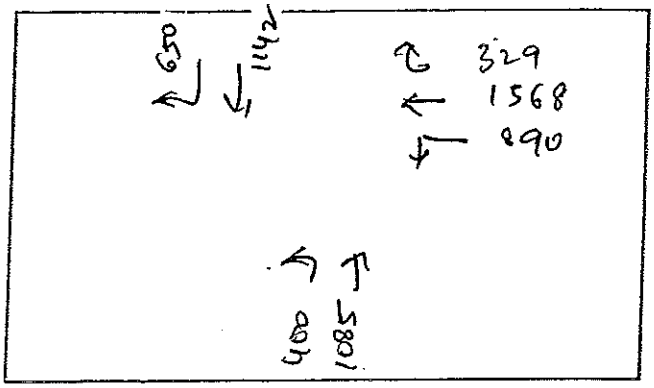
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

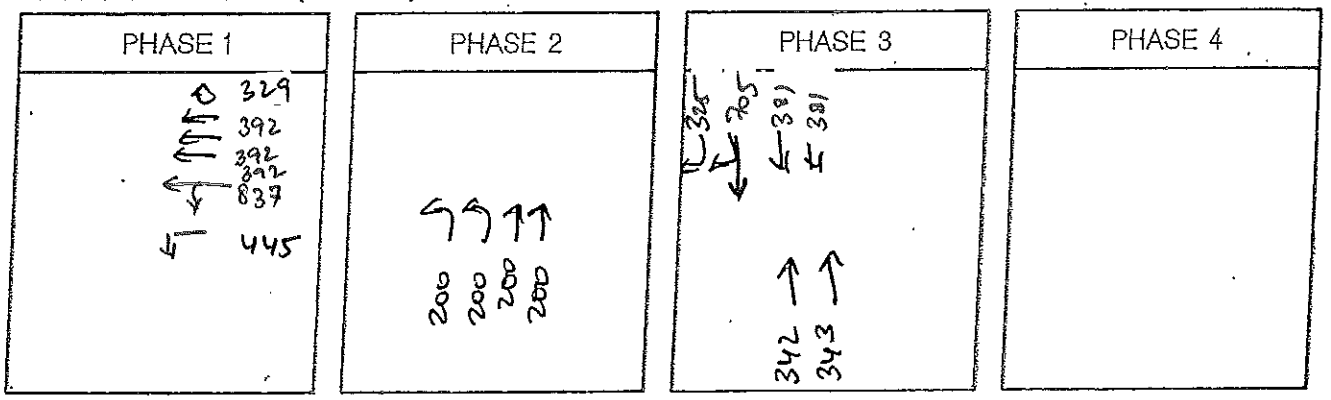
TIME 2030 / AM PM Rem F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
837	200	705	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1742

IS . . .

- ☐ C < 1200 ILV/HR.
- ☐ D > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

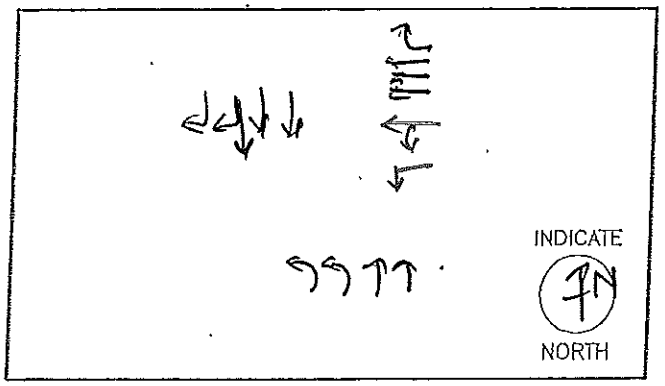
INTERSECTION SR56 WB Ramps / El Camino Road

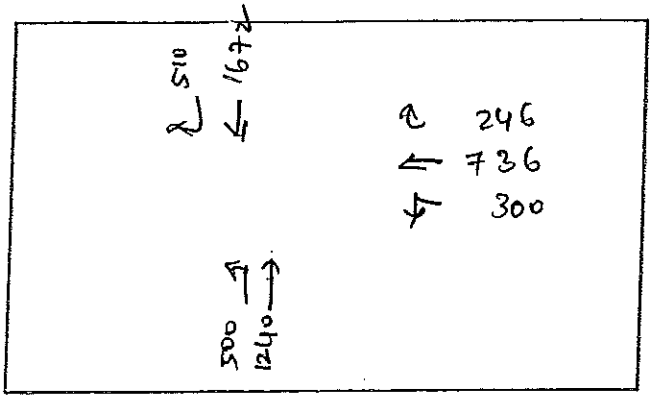
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

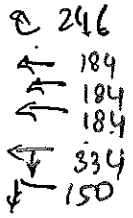
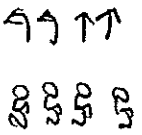
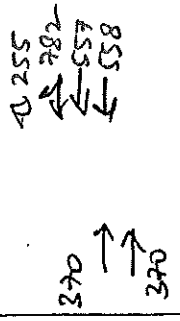
TIME 2020 AM/PM Rev F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
334	250	782	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1366

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

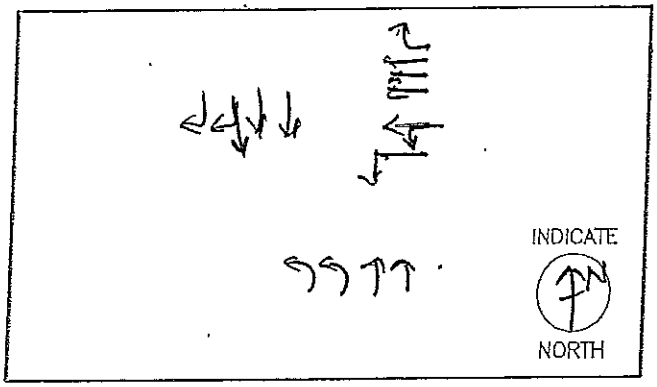
INTERSECTION SR 56 WB Ramps / El Camino Road

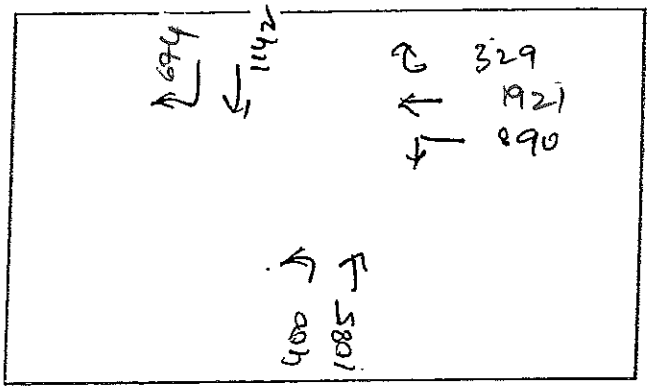
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

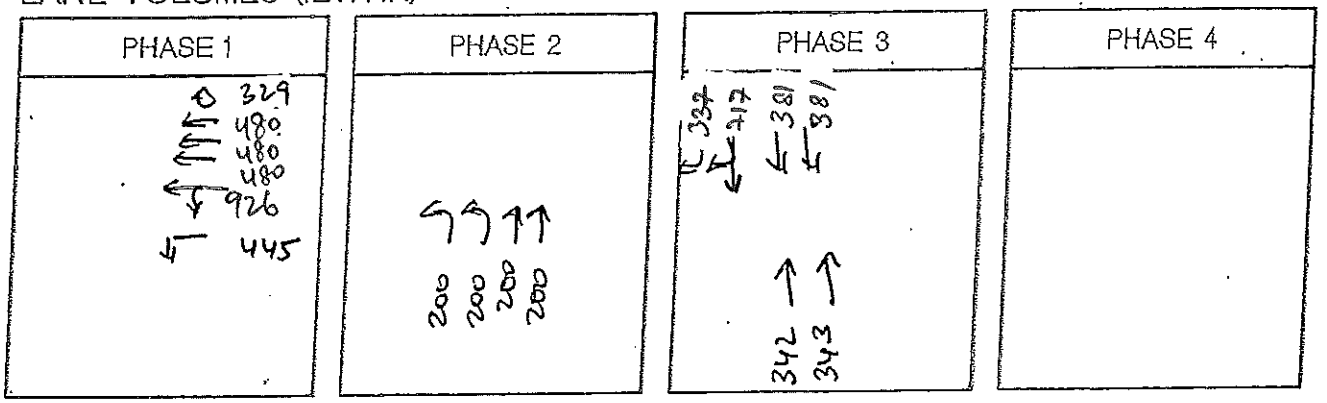
TIME 2020 / AM PM Rem F (With WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
926	200	217	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1843

- ☐ < 1200 ILV/HR.
- D > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

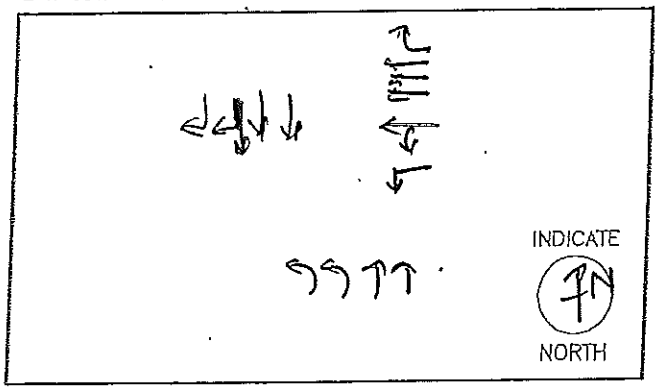
INTERSECTION SR56 WB Ramps / El Camino Road

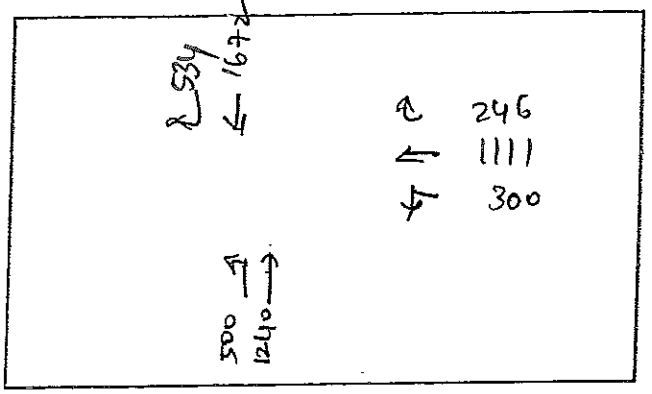
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

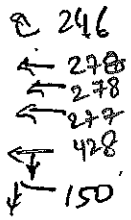
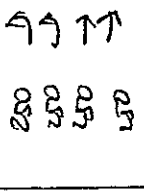
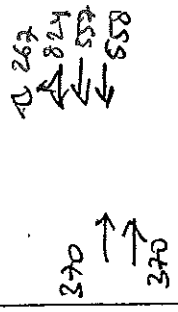
TIME 2020 AM (PM) Run F (With WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
428	250	824	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1502

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

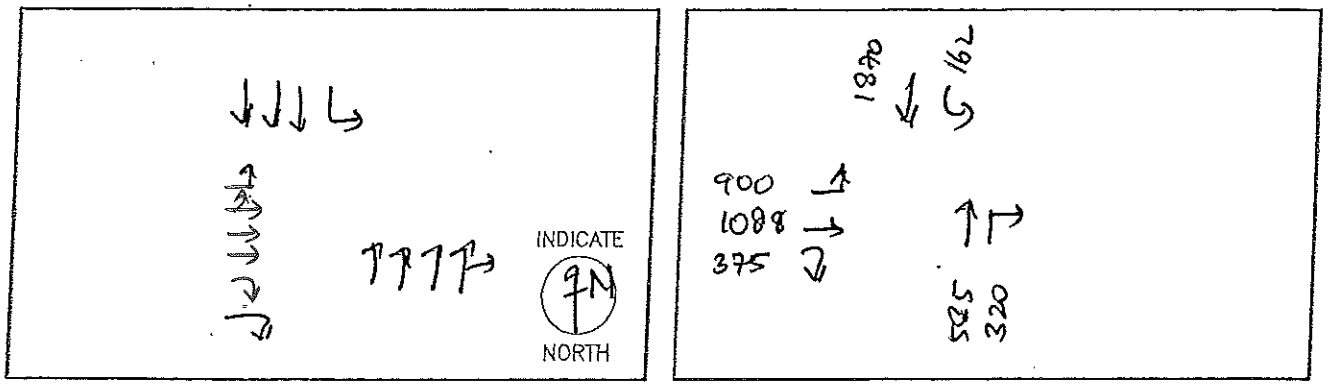
INTERSECTION SR 56 EB Ramps / El Camino Real

DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2030 AM PM Run F

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
450 813 362 362 188 187	162 162 162 162	461 461 462 146 146 146 467	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
813	162	467	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1442

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

> 1500 ILV/HR (CAPACITY)

REMARKS Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

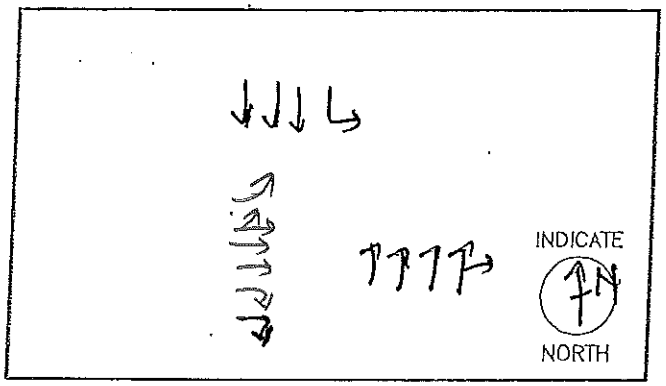
INTERSECTION SR 56 EB Ramps / El Camino Real

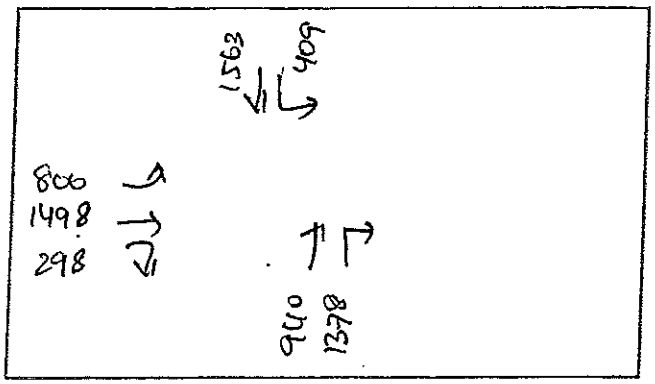
DIST. CO. RTE. P.M. 11 / SR56

BY VG DATE

TIME 2030 AM/PM Rum F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 900 499 499 149 149	409 409 409	112 112 112 235 235 235 1613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
900	409	1613	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
2922

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

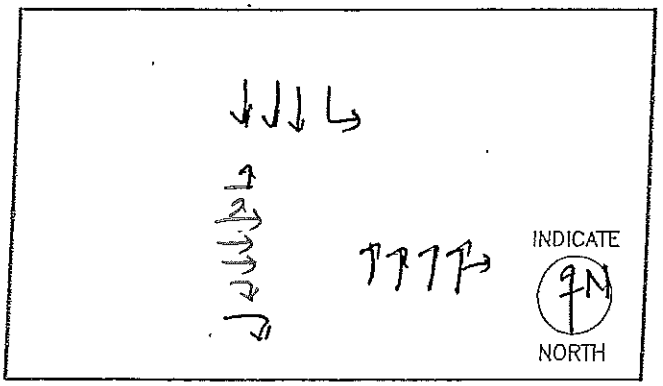
INTERSECTION SR 56 EB Ramps / El Camino Real

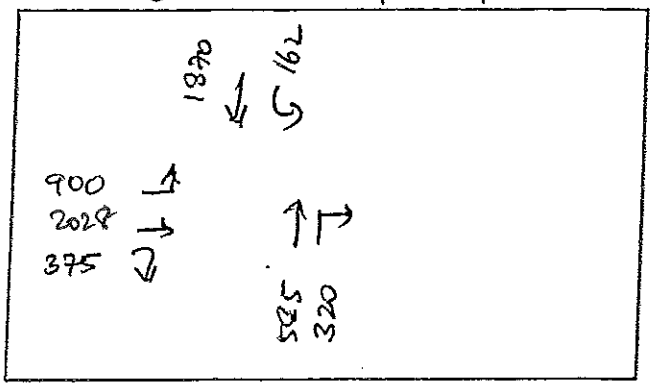
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2030 AM PM Run F (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
450 1126 676 676 187 188	162 162 162 162	461 461 462 146 146 146 467	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
1126	162	467	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1755

D < 1200 ILV/HR.

D > 1200 BUT < 1500 ILV/HR.

~~D~~ > 1500 ILV/HR (CAPACITY)

REMARKS Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

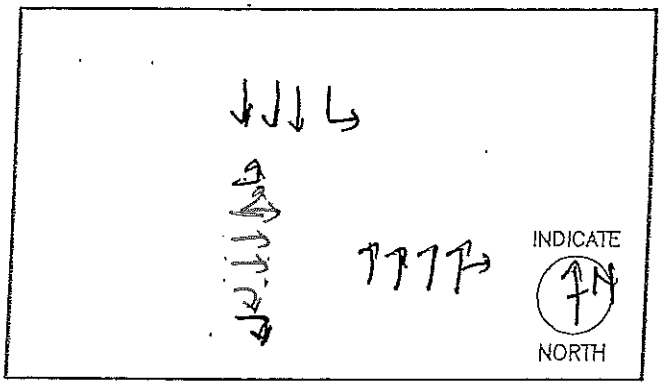
INTERSECTION SR 56 EB Ramps / El Camino Real

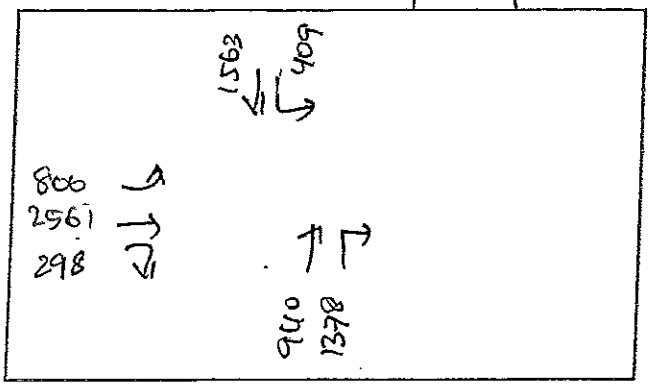
DIST. CO. RTE. P.M. 11 / SR56

BY VG DATE

TIME 2030 AM/PM Run F (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 1254 854 853 149 149	409 409 409	112 112 112 235 235 235 1613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
1254	409	1613	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
3276

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

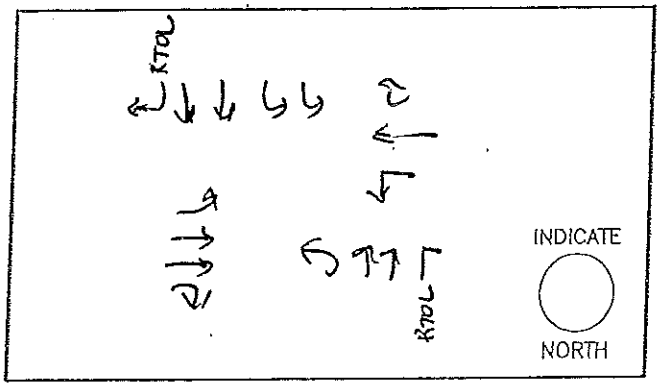
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

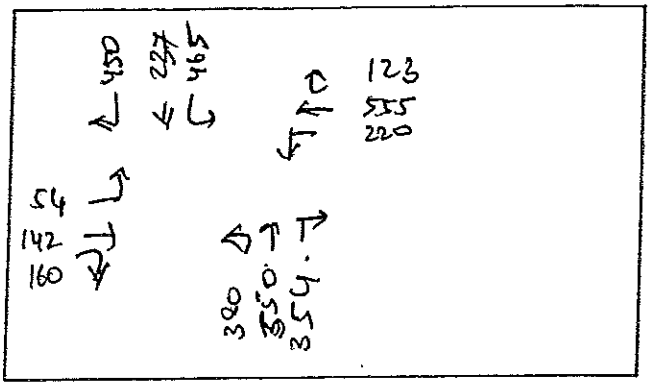
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

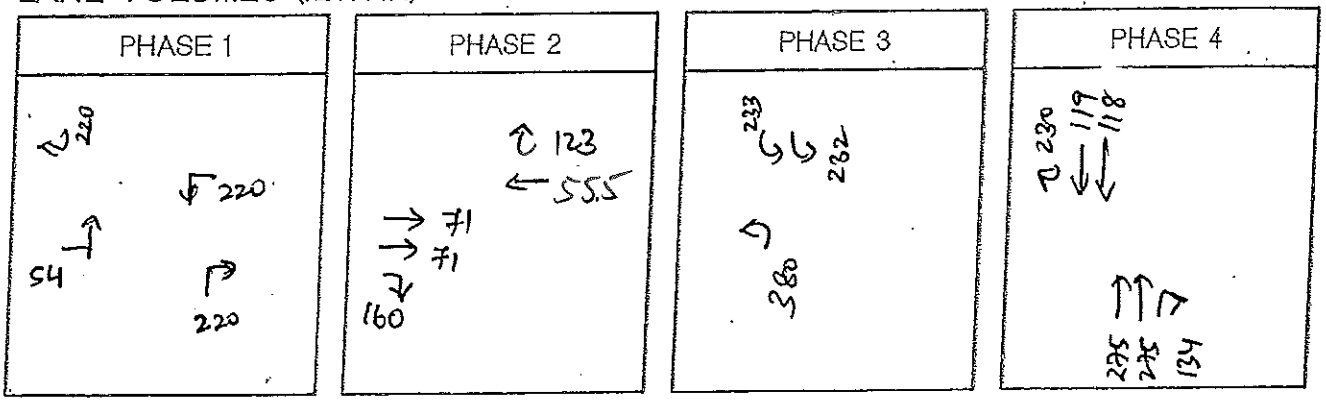
TIME 2030 AM Run F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
220	555	380	295

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1480

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

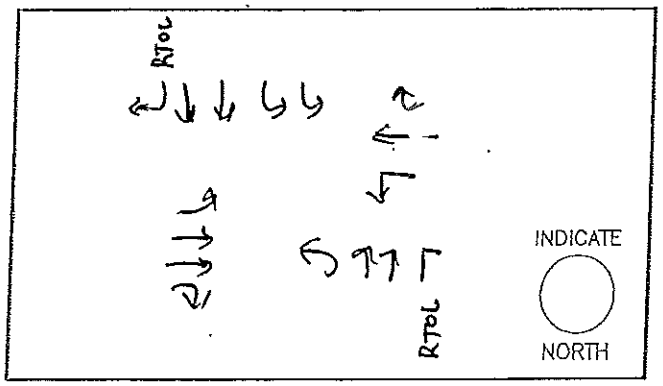
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

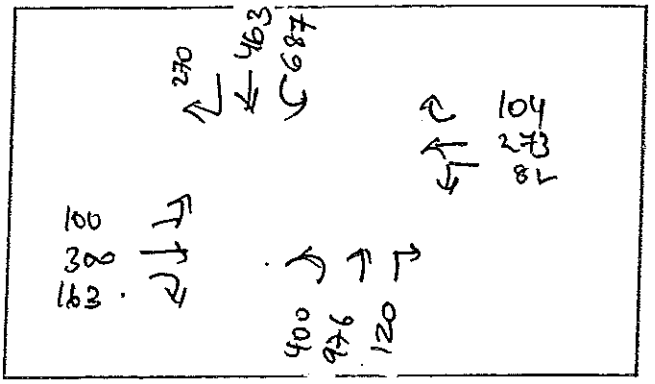
DIST. CO. RTE. P.M. 11 / SR 56

BY VLS DATE

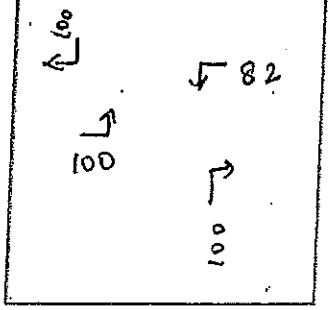
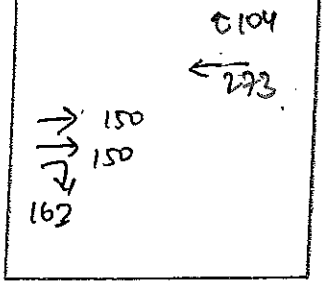
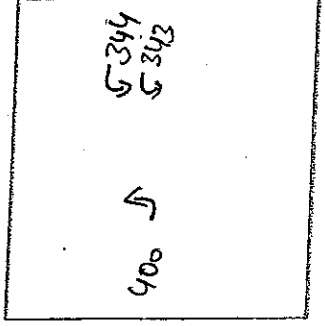
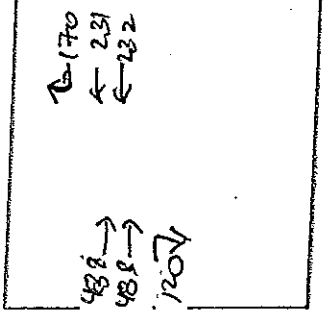
TIME 2030 [PM] 2030 Rum F

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
100	973	400	488

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1261

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

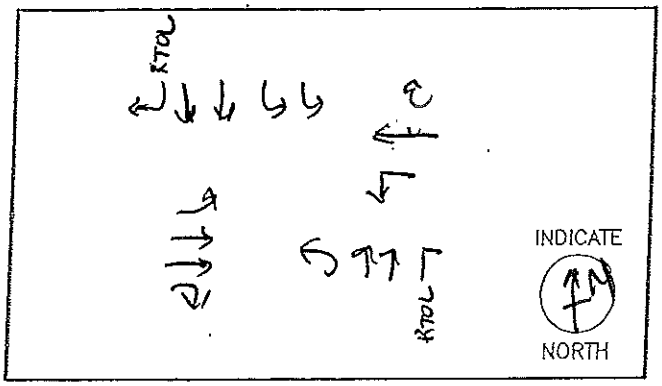
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

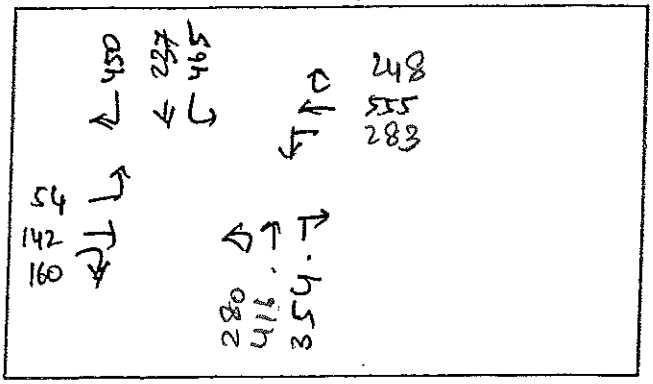
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

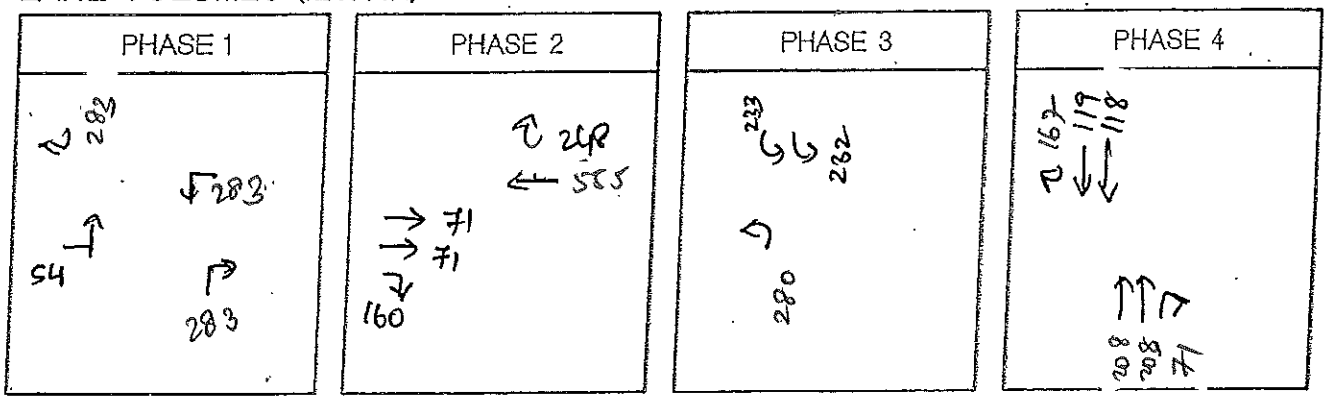
TIME 2030 AM Run F (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
283	555	280	208

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1326

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

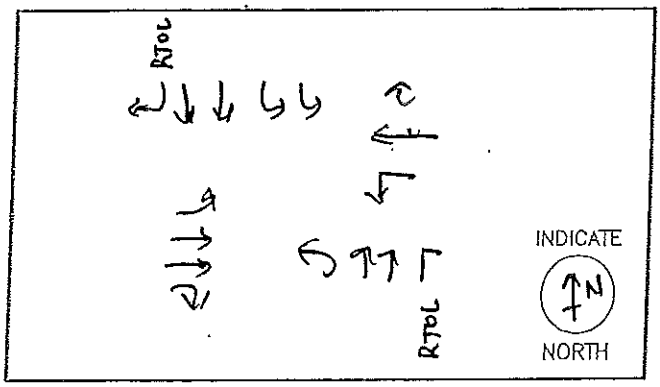
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

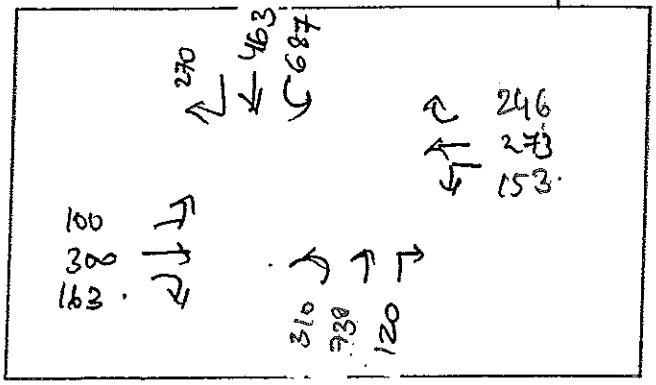
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

TIME 2030 PM 2030 Rum F (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
150 153 100 120	246 283 150 150 162	344 343 210	117 231 232 369 369

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
153	273	310	369

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1105

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

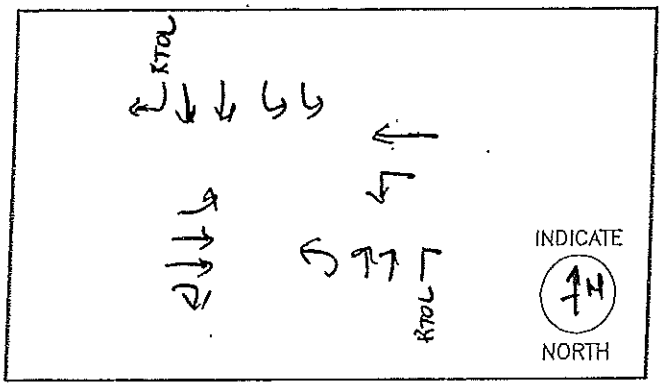
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

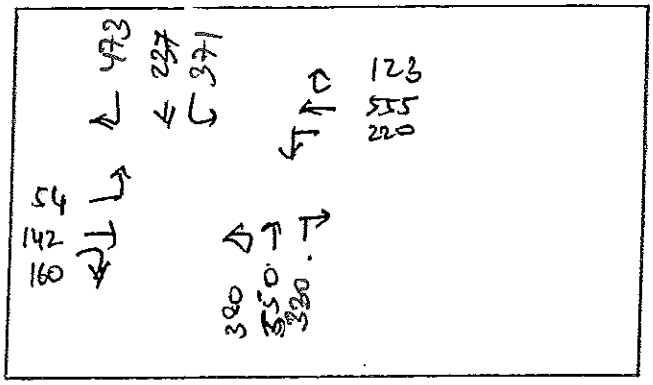
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

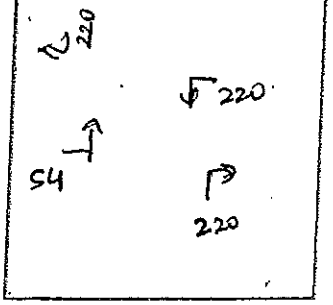
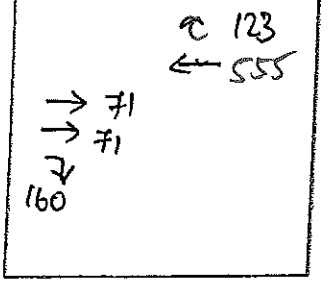
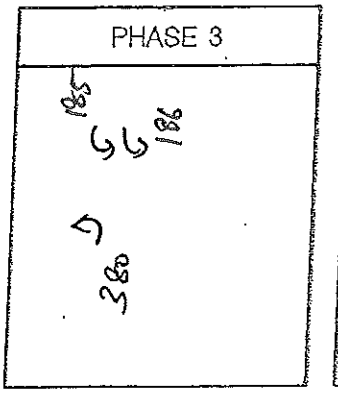
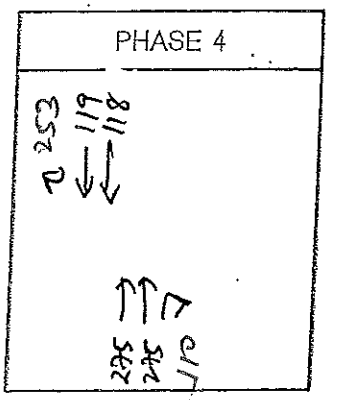
TIME 2030 AM Run F (With WB Barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
220	555	380	971

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1430

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

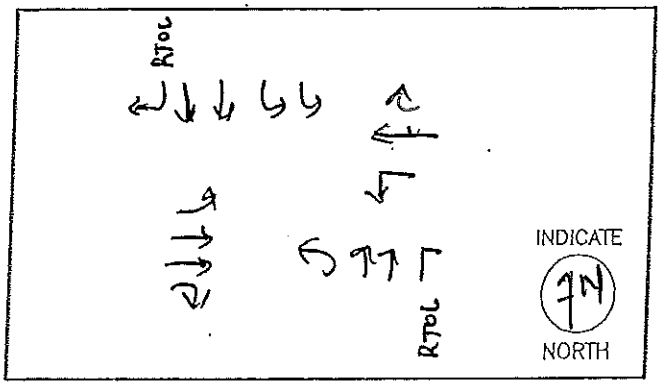
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

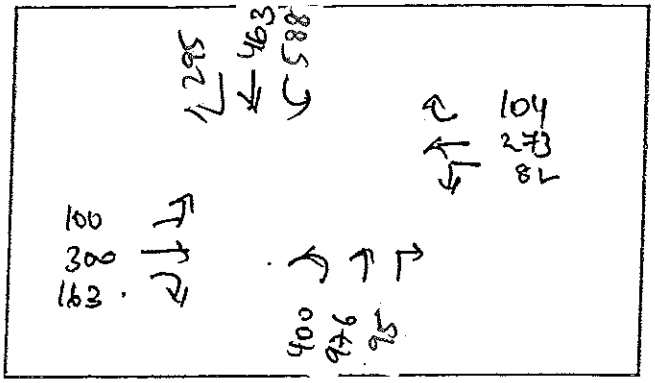
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

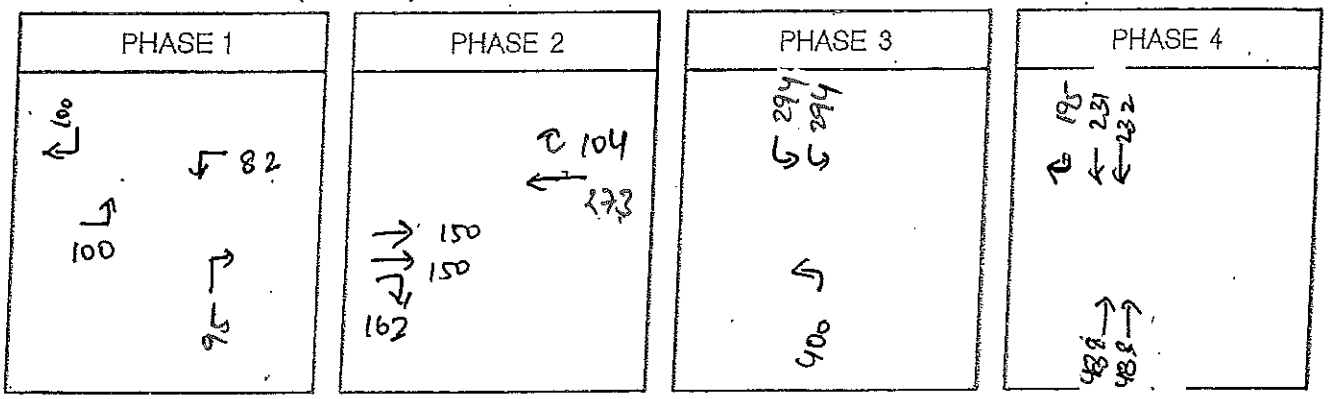
TIME 2030 PM 2030 Rum F (With WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
100	273	400	488

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1261

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

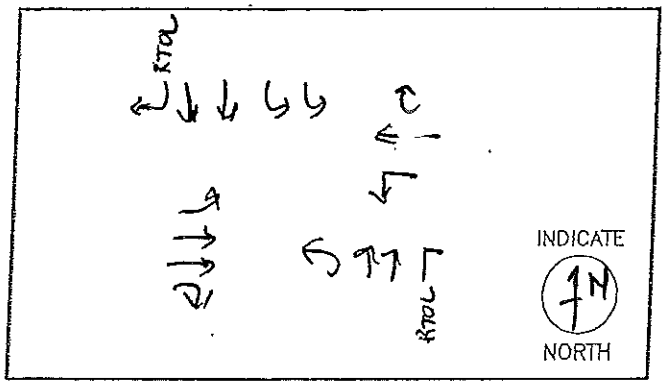
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

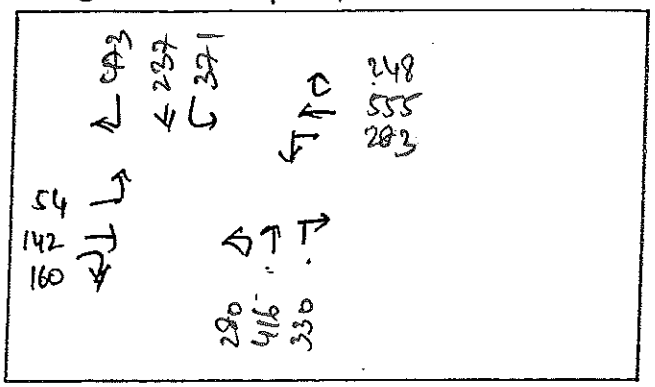
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

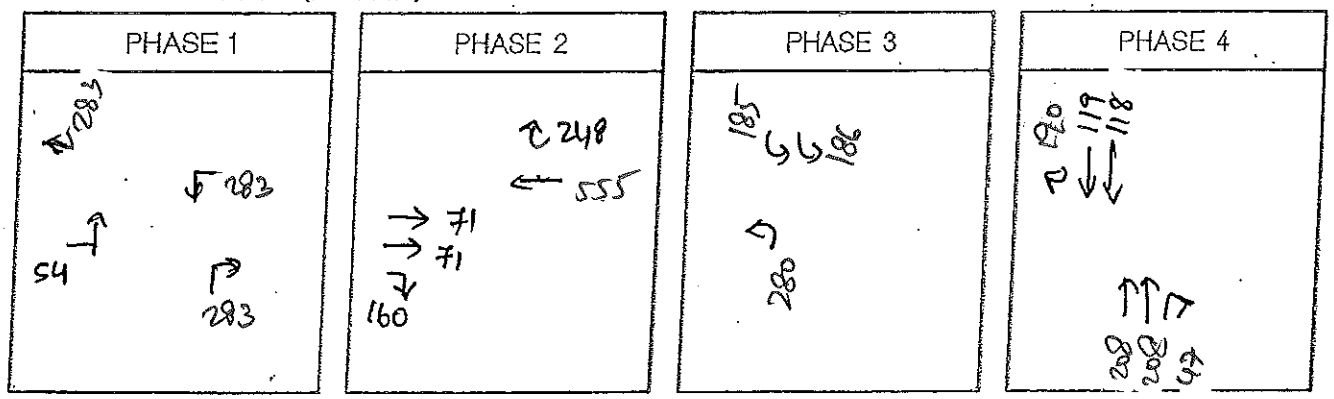
TIME 2030 AM Run F

DIAGRAM AND TRAFFIC FLOWS: (No EB Slip + With WB barrier)





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
283	555	280	208

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1326

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

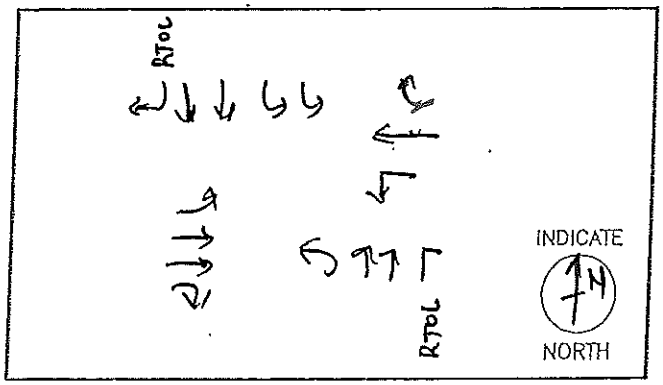
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

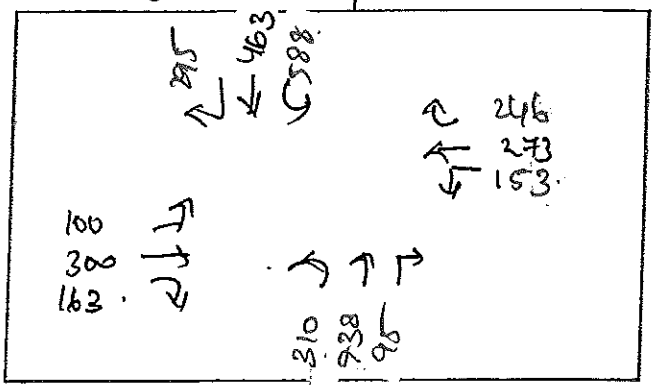
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

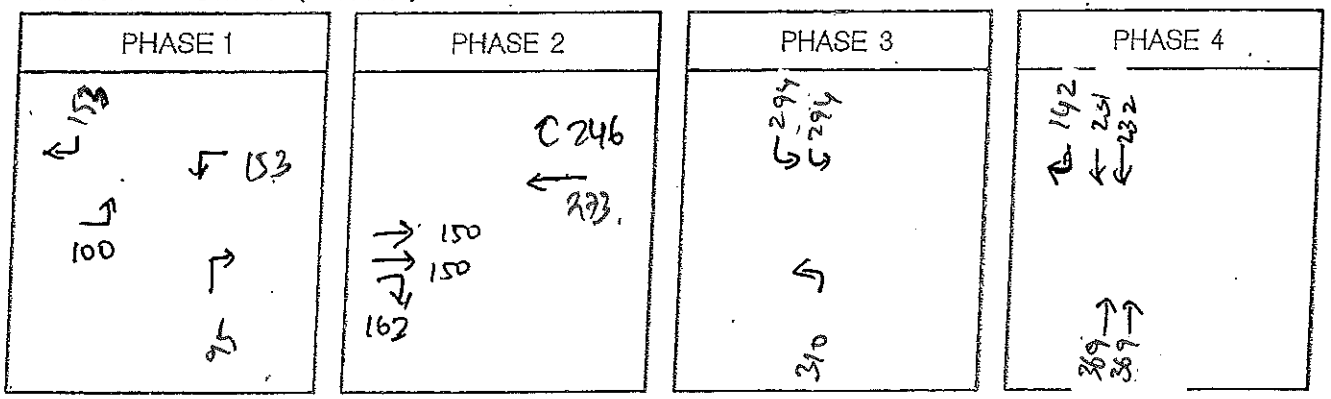
TIME 2030 PM 2030 Run F (No EB Slip + WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
153	273	310	369

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1105

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

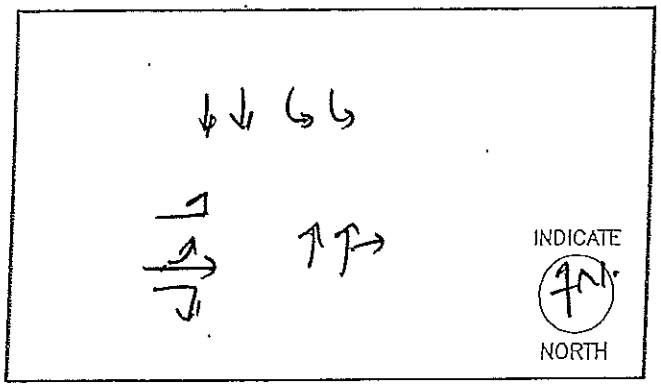
INTERSECTION SR 52 Ramps / Carmel Creek Road

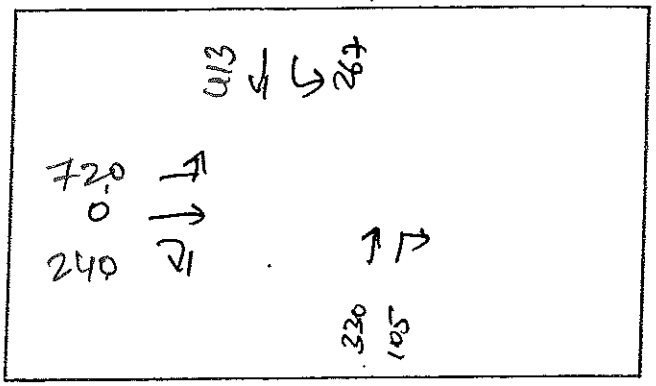
DIST. CO. RTE. P.M. 11 / SR 52

BY US DATE

TIME 2:30 AM PM Run F (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360 ↑ 360 → 240 ↴	134 ↓ 134 ↓ 133 ↳ 134 ↳	72 ↓ 73 ↓ 165 ↑ 270 ↱	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360	134	270	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
764

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

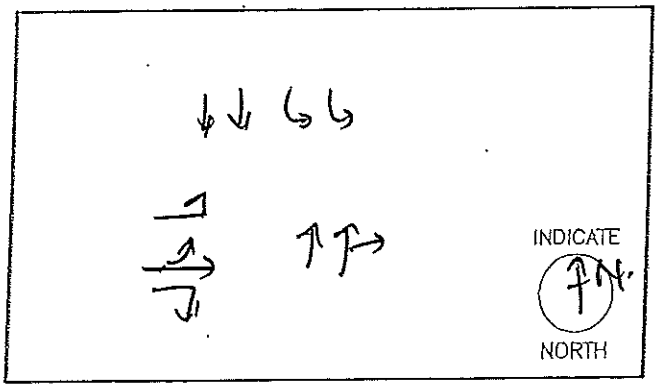
INTERSECTION SR 56 EB Ramps / Carmel Creek Road

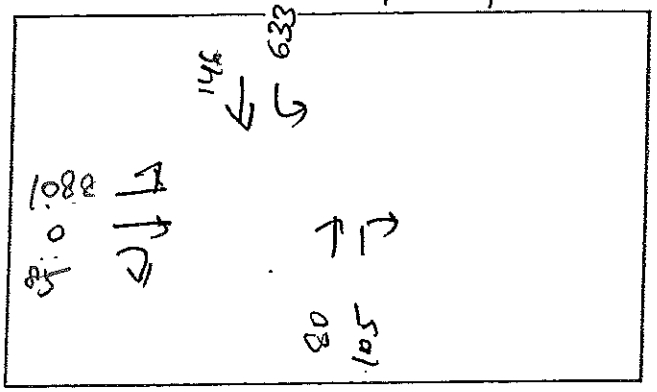
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM/PM Run F (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544 / 544 / 198	73 / 73 / 317 / 316	92 / 145	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544	317	145	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1006

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

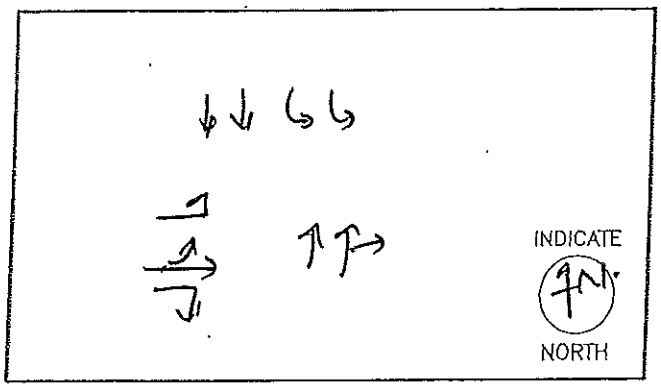
INTERSECTION SR 68 Ramps / Carmel Creek Road

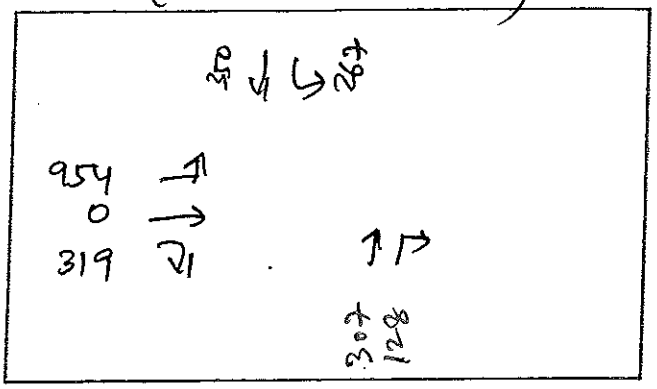
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

TIME 2030 AM PM Run F (With WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
477 477 319	134 134 133 134	41 5 151 281	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
477	134	281	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
892

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

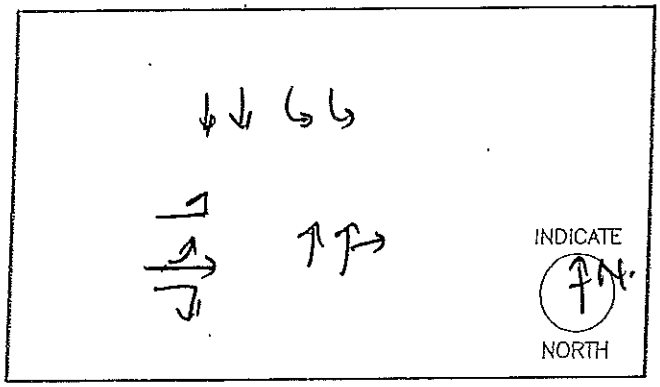
INTERSECTION SR 56 EB Ramps / Carmel Creek Road

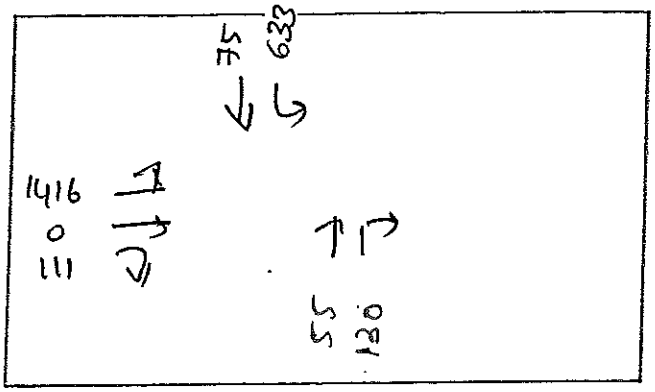
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM / PM Run F (With WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
708 708 111	37 38 317 316	27 158	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
708	317	158	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1183

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

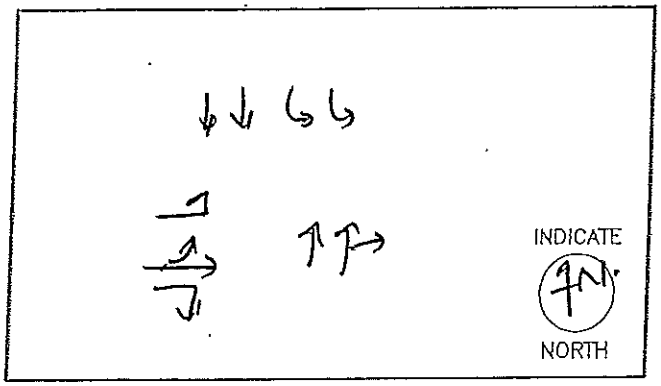
INTERSECTION SR 56 Ramps / Carmel Creek Road

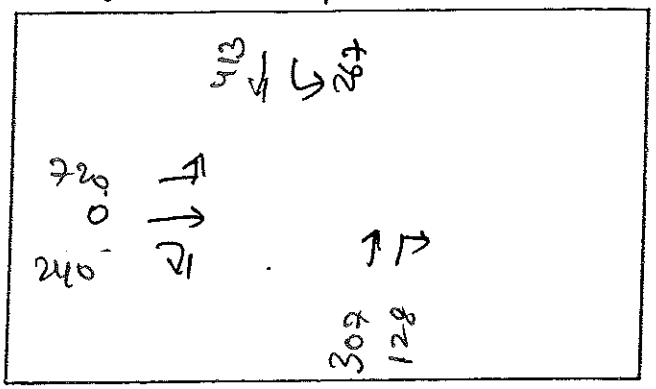
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2:30 AM PM Run F (No EB Slip + barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360 ↑ 360 → 240 ↱	134 134 133 134 ↓ ↓ ↳ ↳	72 73 ↓ ↓ ↑ ↱ 154 281	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360	134	281	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
775

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

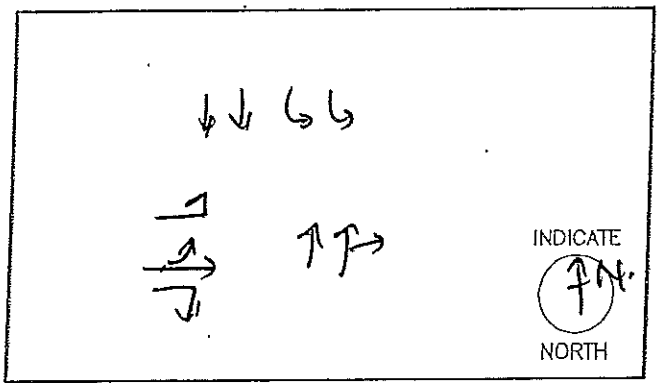
INTERSECTION SR 56 EB Ramps / Carmel Creek Road

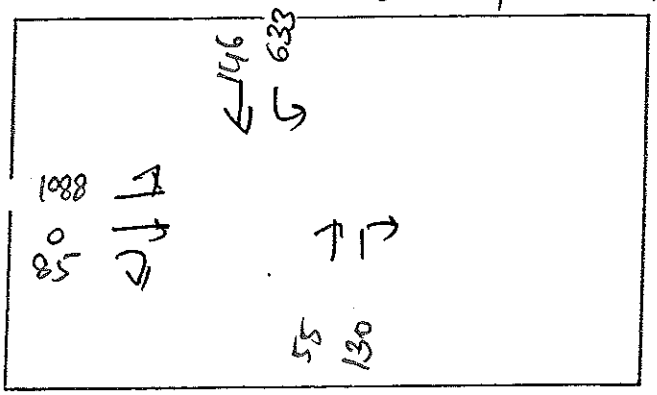
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM / PM Run F (No slip + barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544 544 85	73 73 317 316	27 158	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544	317	158	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1019

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

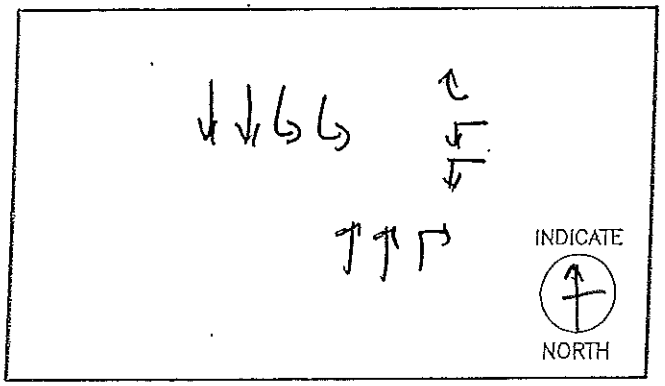
INTERSECTION Carmel Country Road / SR56 WB Ramps

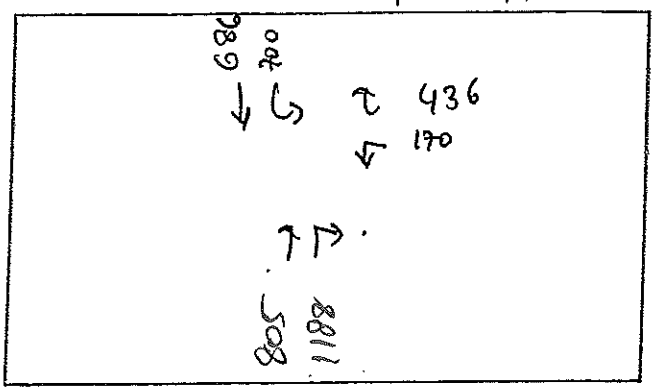
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2030 AM PM Rem F (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436 85 85	343 343 35 350	1188	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436	350	1188	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ = 1874

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

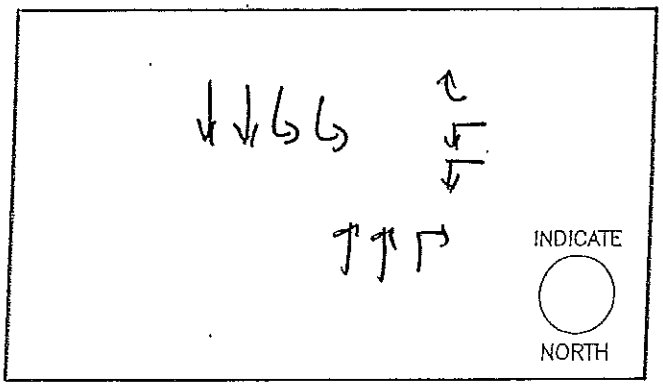
INTERSECTION Carmel Country Road / SR56 WB Ramps

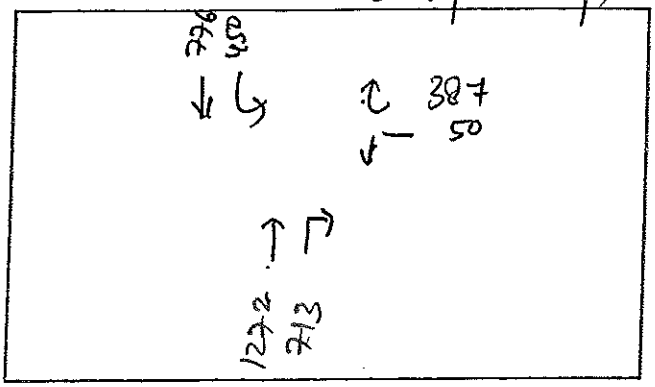
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

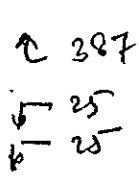
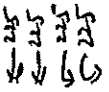
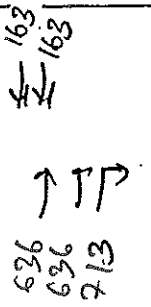
TIME 2030 AM (PM) Run F (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
387	225	713	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1325

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

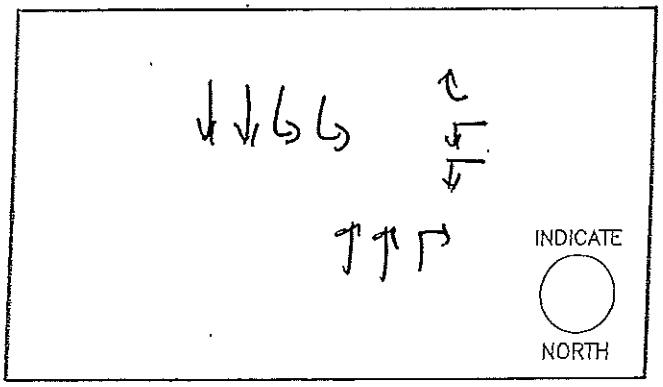
INTERSECTION Carmel Country Road / SR56 WB Ramps

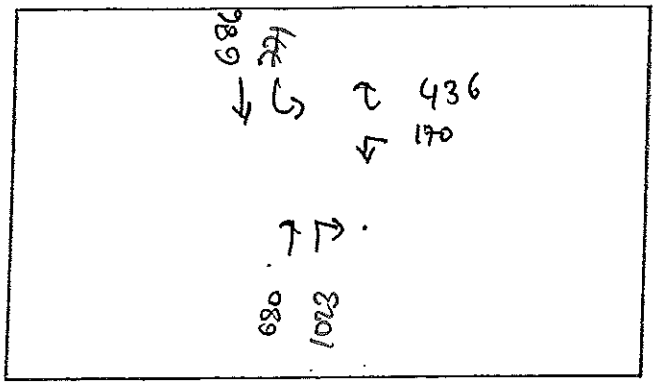
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

TIME 2030 [AM] PM Rem F (With WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436 85 85	343 343 386 386	240 340 1023	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436	386	1023	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1845

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

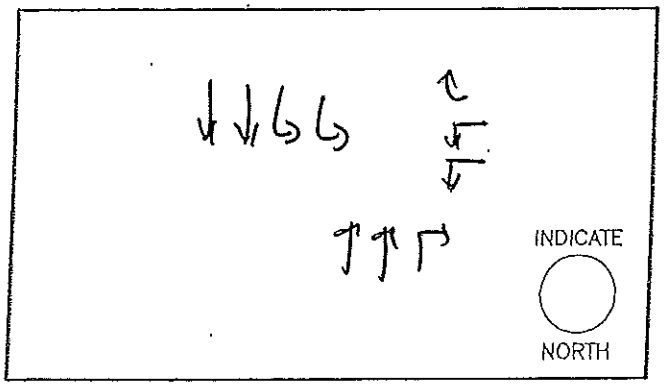
INTERSECTION Carmel Country Road / SR56 WB Ramps

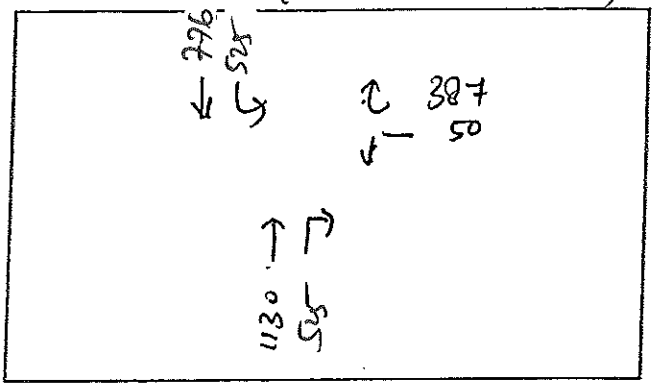
DIST. CO. RTE. P.M. 11/SR56

BY VL DATE

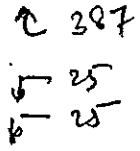
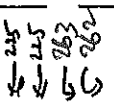
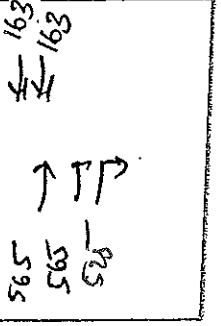
TIME 2030 AM (PM) Run F (With WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
387	263	565	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1215

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

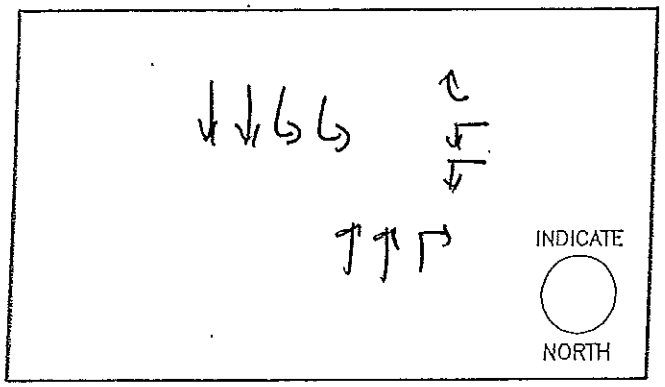
INTERSECTION Carmel Country Road / SR56 WB Ramps

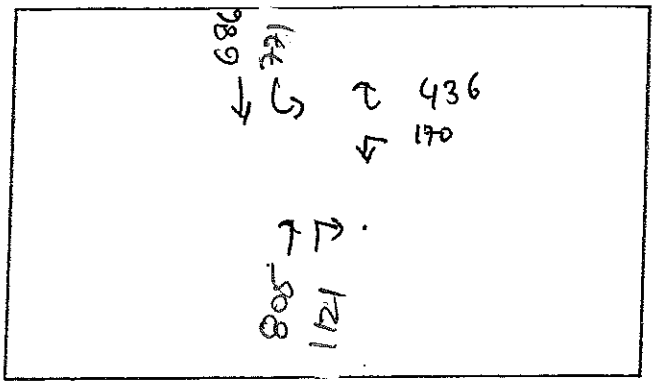
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

TIME 2030 AM PM Run F (No EB Slip + WB barriers)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436 85 85	343 343 385 386	403 402 1121	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
436	386	1121	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1943

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

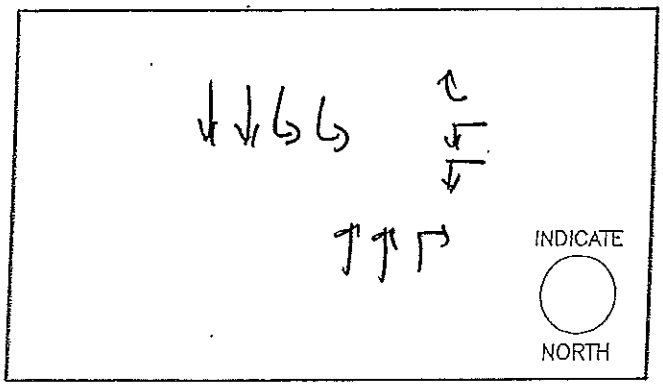
INTERSECTION Carmel Country Road / SR56 WB Ramps

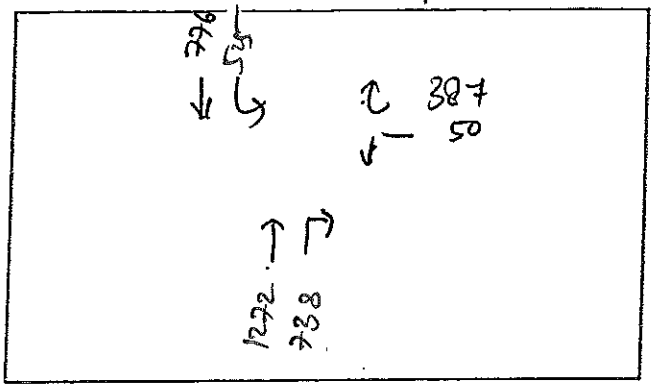
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

TIME 2030 AM (PM) Run F (No EB Slip + With WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
387 25 25	225 225 263 262	163 163 626 636 738	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
387	263	738	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1388

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

INTERSECTION SR56 EB Ramps / Carmel Country Road

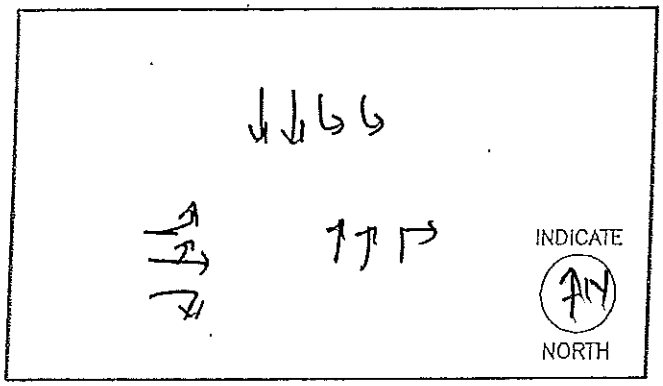
DIST. CO. RTE. P.M. 11 / SR56

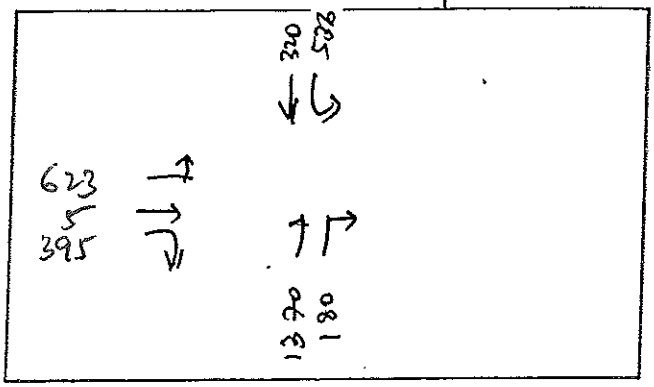
BY US DATE

TIME 2030 (AM) PM Rm F

CMo EB Slip off-ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
312 356 395	46 46 268 268	685 685 180	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
395	268	685	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1348

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

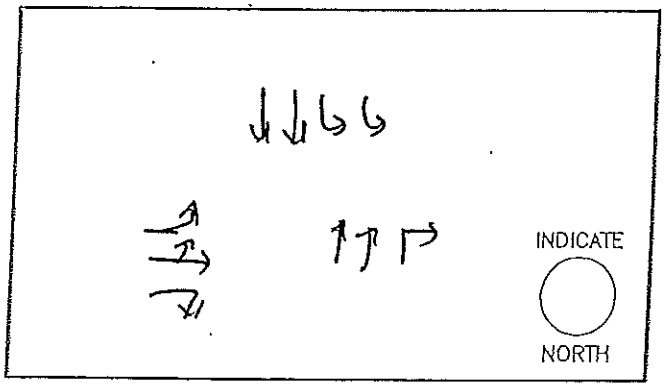
INTERSECTION SR56 EB Ramps / Carmel Country Road

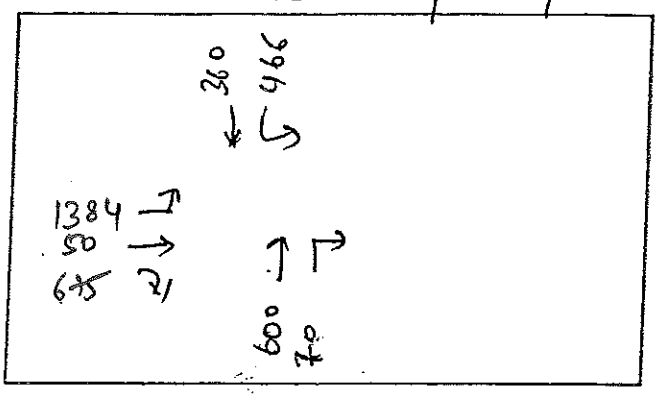
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

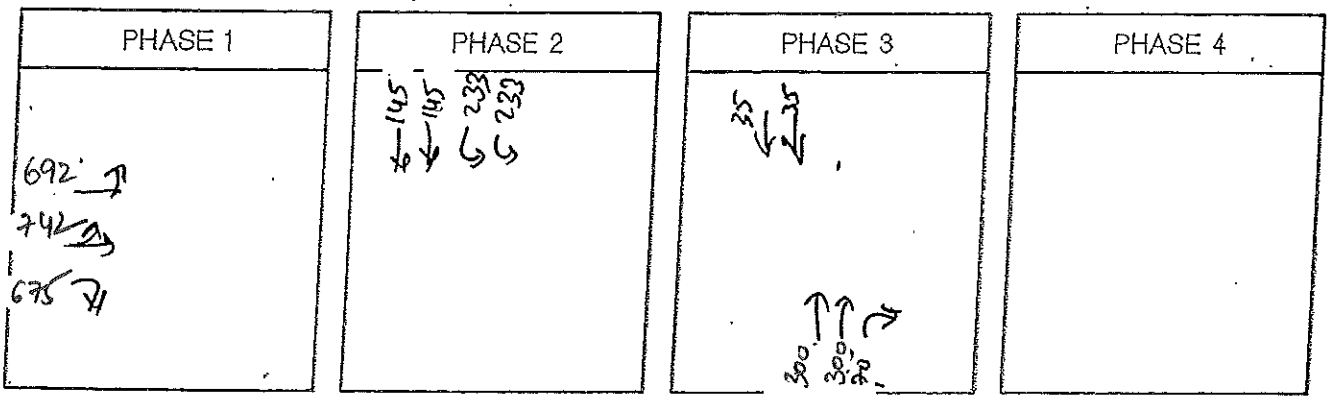
TIME 2030 AM/PM Year F (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
742	233	300	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1275

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: 14 year capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

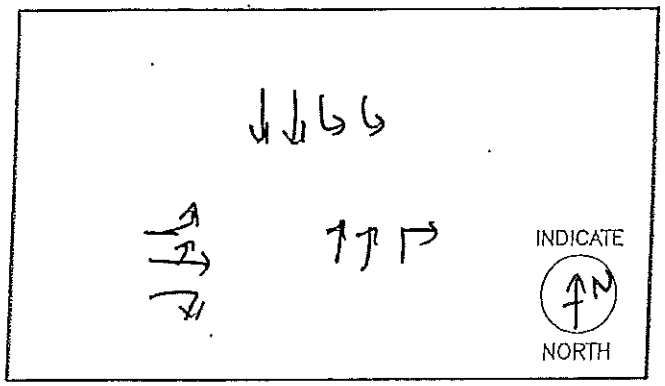
INTERSECTION SR56 EB Ramps / Carmel Country Road

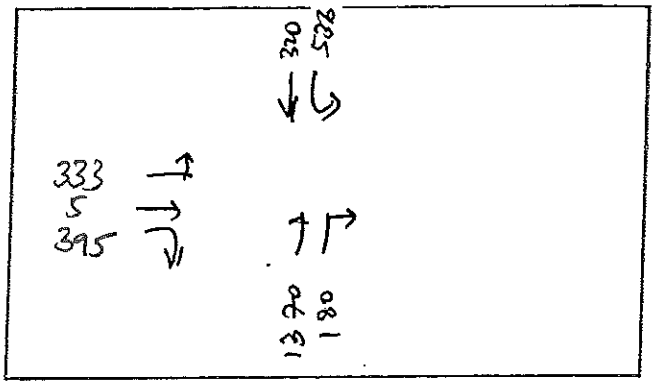
DIST. CO. RTE. P.M. 11/SR56

BY US DATE

TIME 2030 AM PM Rm F (With WB Barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
166 172 395	166 166 268 268	685 685 180	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
395	268	685	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1348

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

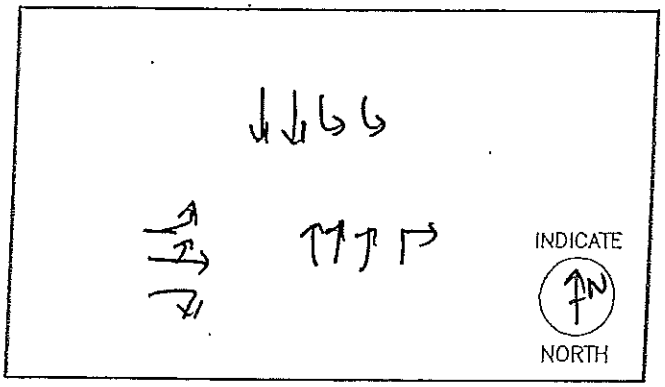
INTERSECTION SR56 EB Ramps / Carmel Country Road

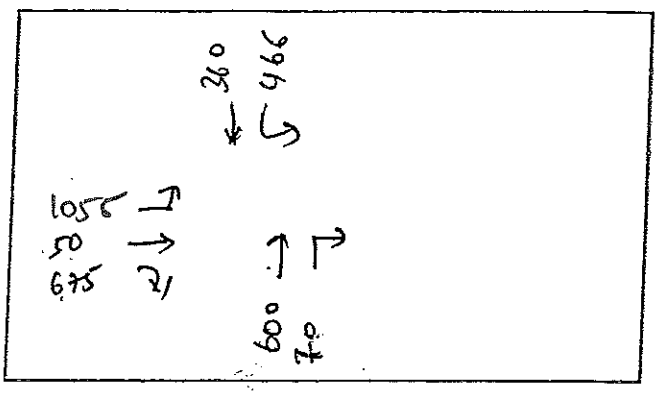
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2030 AM/PM Run F (With WB Barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
528 577 675	145 145 233 233	35 35 300 300 70	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
675	233	300	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1208

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

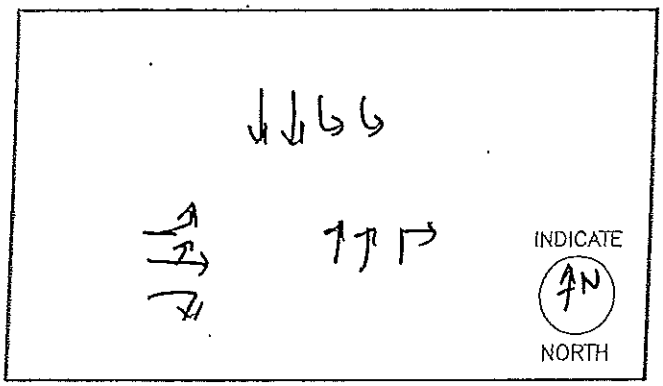
INTERSECTION SR56 EB Ramps / Carmel Country Road

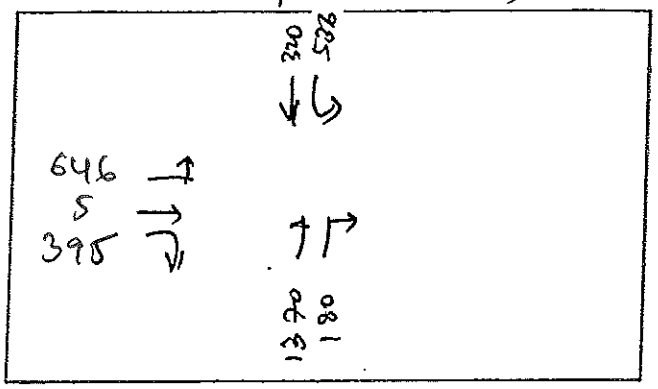
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2030 (AM) PM Rm F (No EB Slip + barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
223 ↑ 228 → 395 ↘	46 46 268 268	685 685 18	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
395	268	685	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1348

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

INTERSECTION SR56 EB Ramps / Carmel Country Road

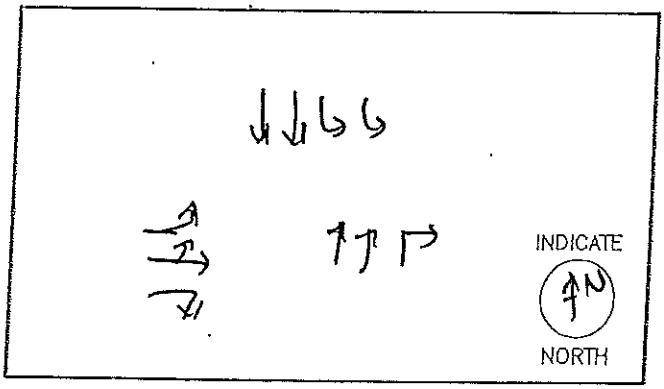
DIST. CO. RTE. P.M. 11 / SR56

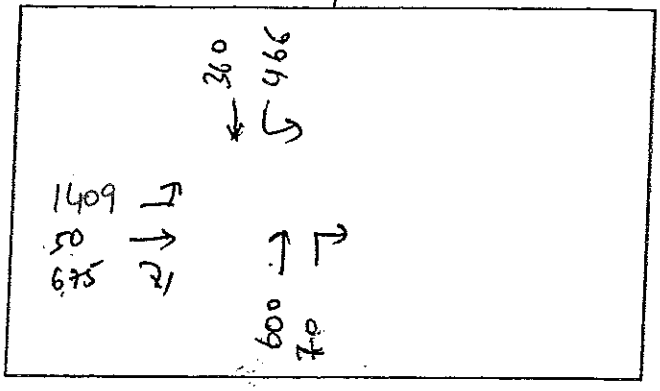
BY US DATE

TIME 2030 AM/PM Run F

(No EB Slip + WB barrier)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
705 754 675	145 145 233 233	35 35 300 300 70	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
754	233	300	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1287

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

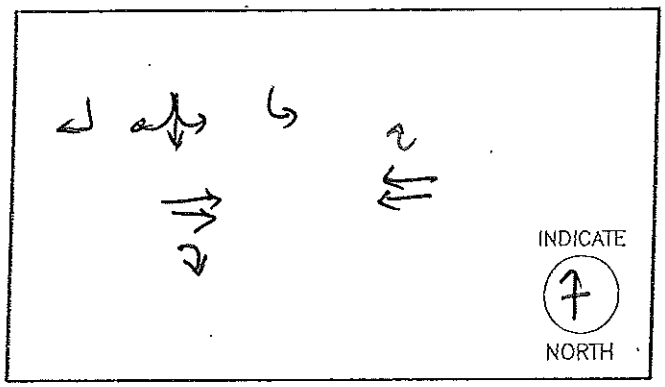
INTERSECTION I-5 SB Ramps / Via de la Valle.

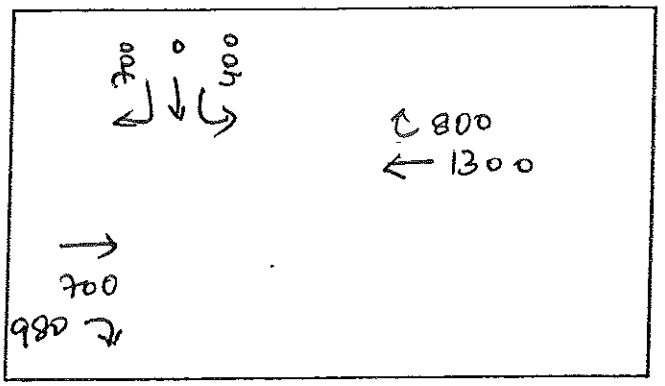
DIST. CO. RTE. P.M. 11 / I-5.

BY VS DATE

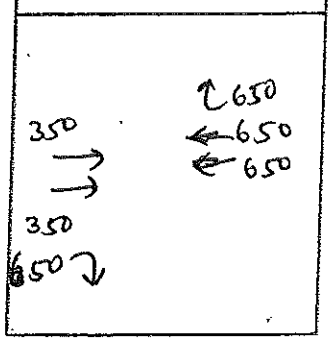
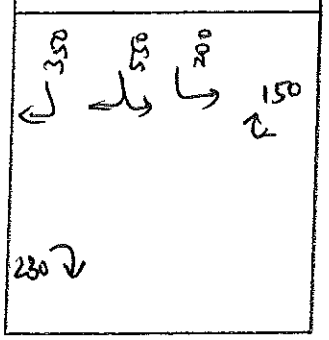
TIME 2030 AM PM Run G.

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
650	550		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1200

☑ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

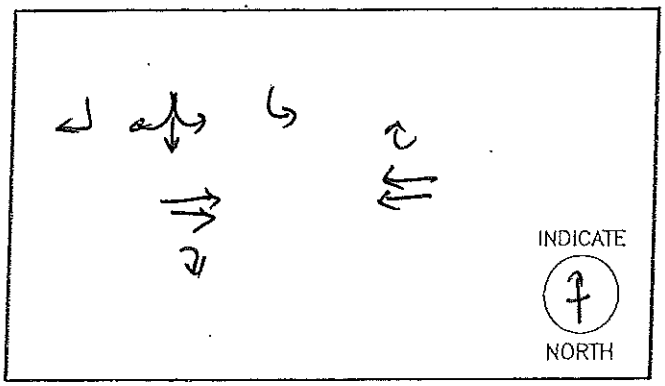
INTERSECTION I-5 SB Ramps / Via de la Valle.

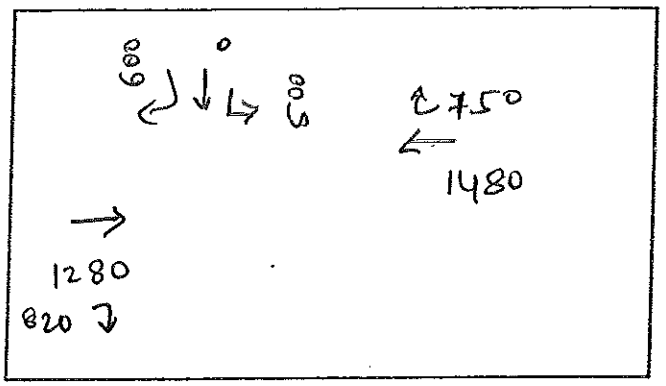
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

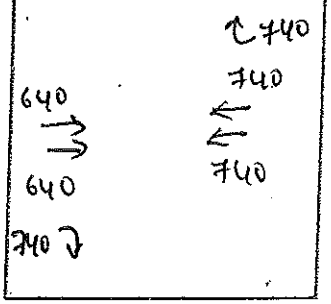
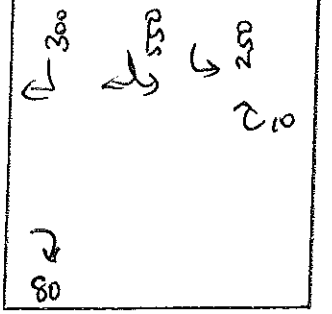
TIME 2030 AM (PM). Run 6.

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
740	550		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1290

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

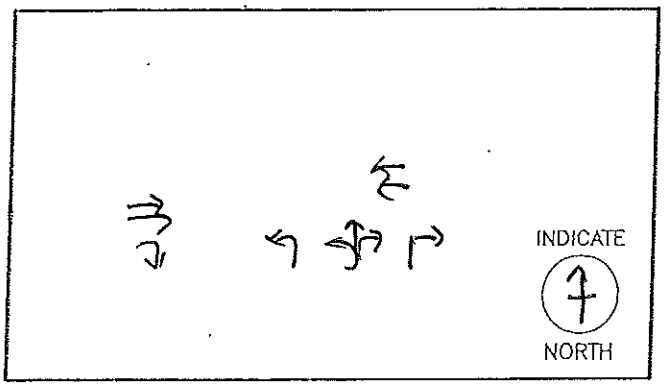
INTERSECTION I-5 NB Ramps / Via de la Valle

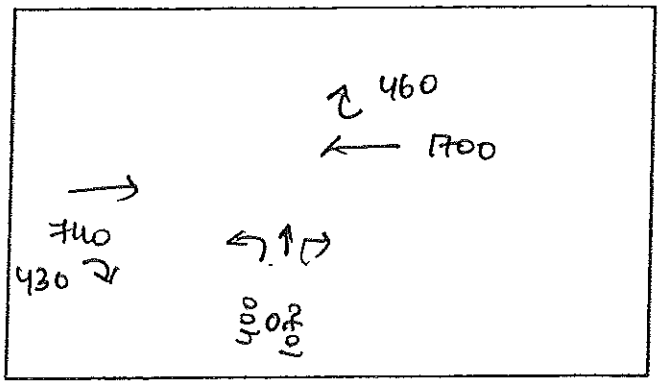
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
460, 850, 850, 370, 370, 430	200, 735, 535		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
850	735		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1585

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

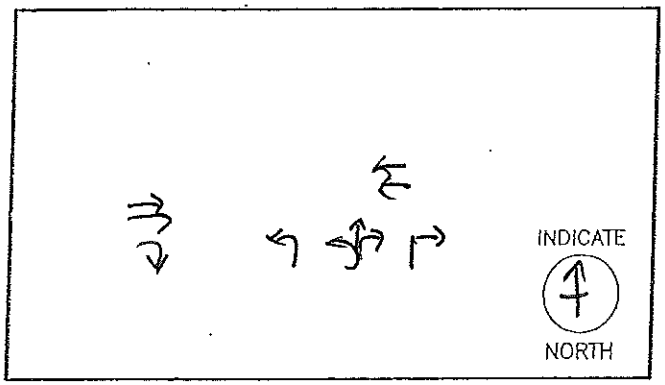
INTERSECTION I-5 NB Ramps / Via de la Valle

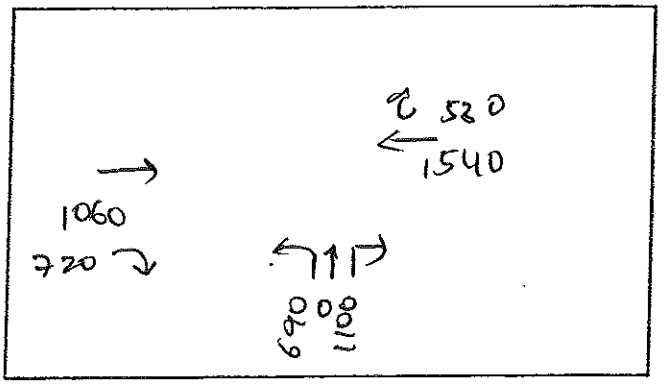
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 PM . Run 7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
530 770 530 770 530 720	345 895 550		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
770	895		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1665

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

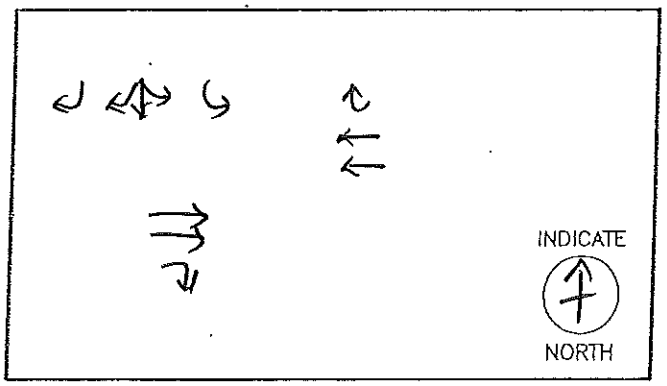
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

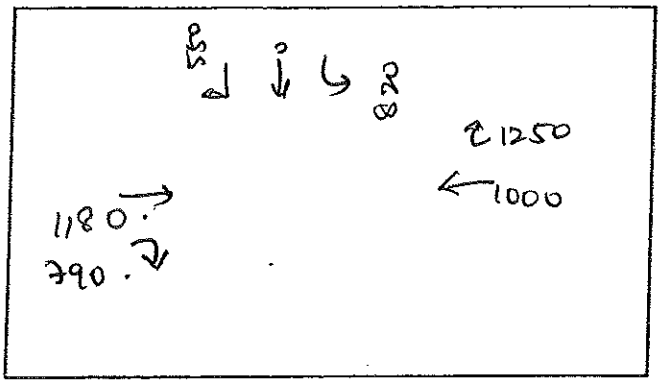
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

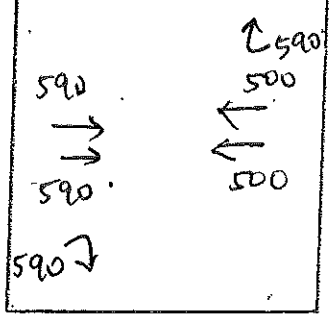
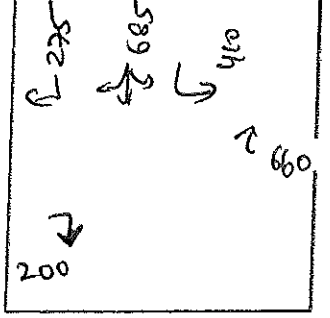
TIME 2030 [AM] PM Run 9.

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
590	685		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1275

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Near Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

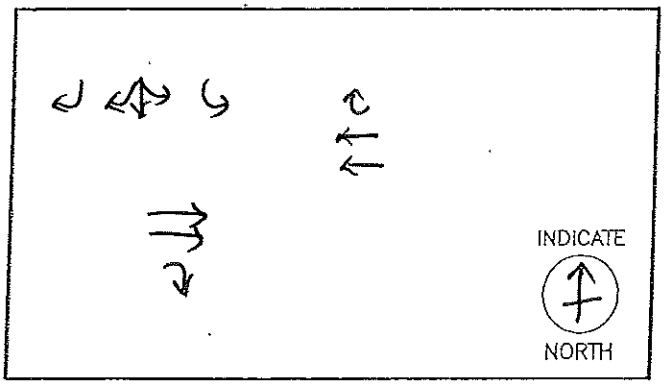
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

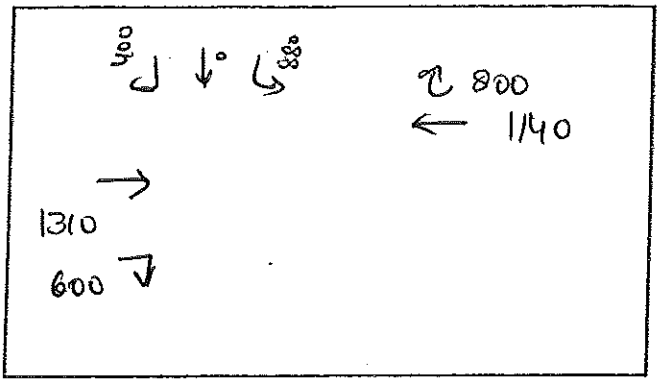
DIST. CO. RTE. P.M. 11 / J-5

BY VS DATE

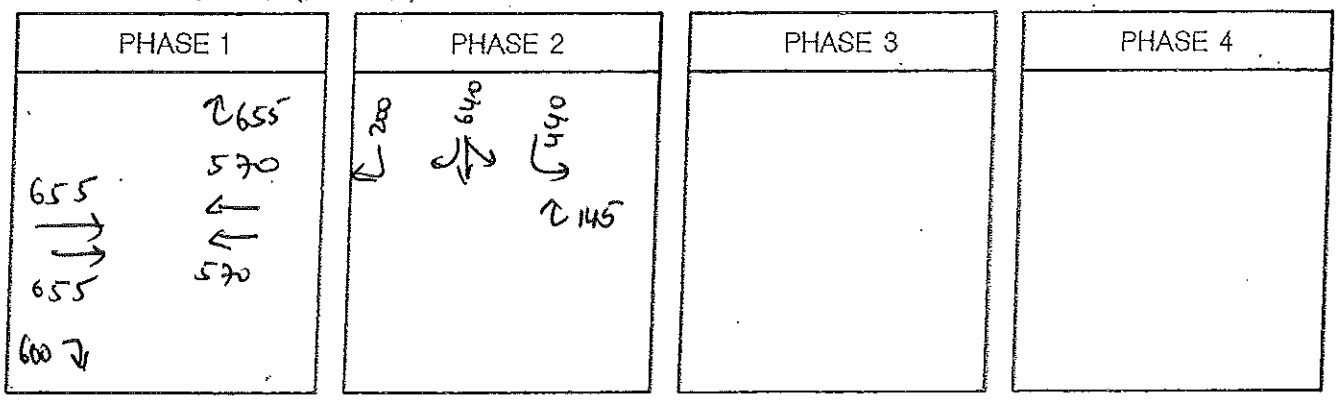
TIME 2030 AM [PM] Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
655	640		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1295

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

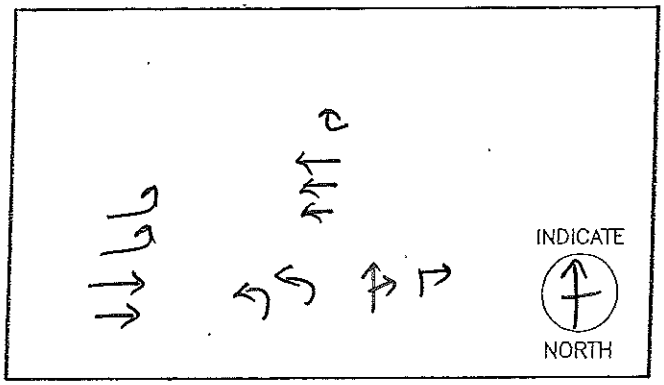
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

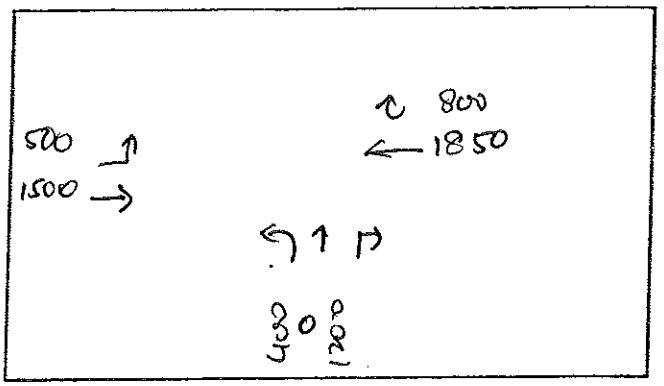
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2030 AM/PM Run 07

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
240 280 600 600	250 250 250 250	800 616 617 500 500 617	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
606	250	800	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1650

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

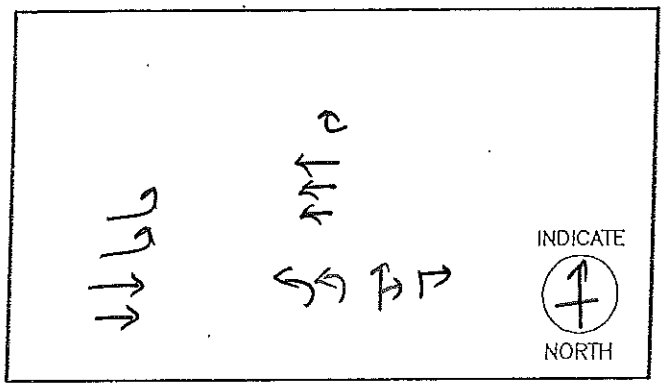
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

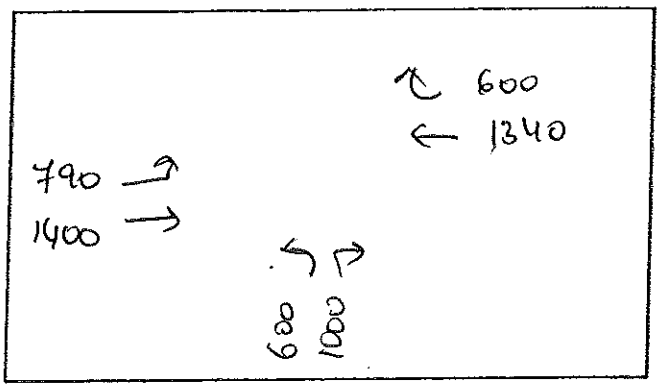
DIST. CO. RTE. P.M. 11/I-5

BY VS DATE

TIME 2030 AM/PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
200 300 500	395 395 395 395	600 670 305 305 670	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
500	395	670	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1565

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

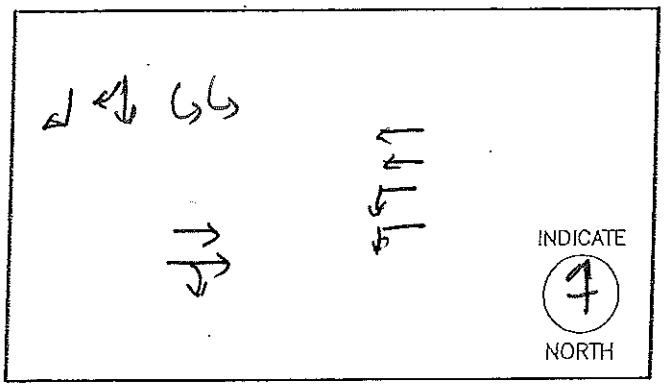
INTERSECTION I-5 SB Ramps / Carmel Valley / Local

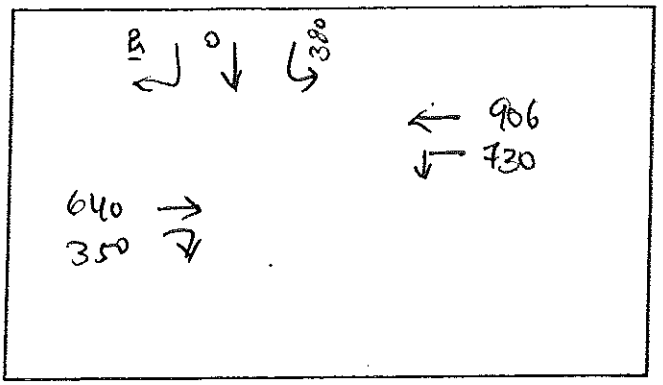
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run 4

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
75 75 90 190	365 365 365 365	88 88 320 670	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
190	365	670	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1225

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

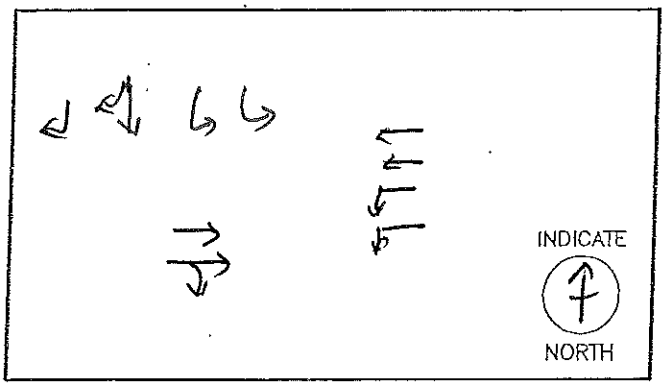
INTERSECTION I-5 SB Ramps / Carmel Valley Road

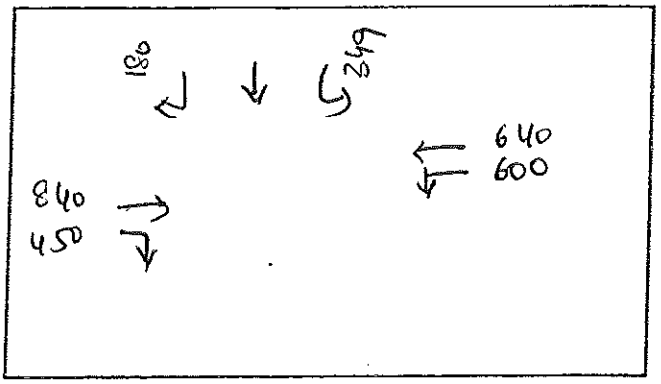
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2030 AM / PM Ramp G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
93 98 175 179	300 300 300 300	420 870 20 20	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
175	300	870	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1345

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

WITH WB Barrier between
Carmel Creek Road and El Camino Real
INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

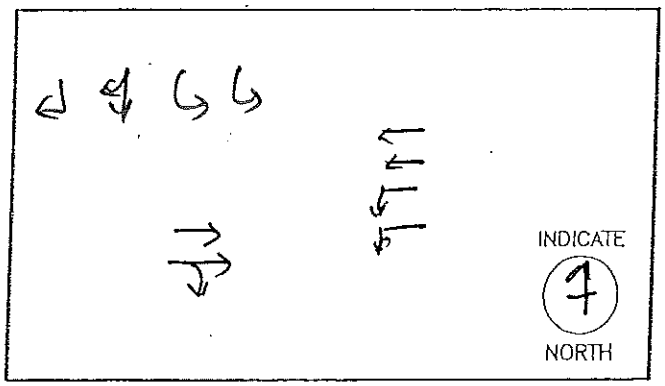
INTERSECTION I-5 SB Ramps / Carmel Valley Road

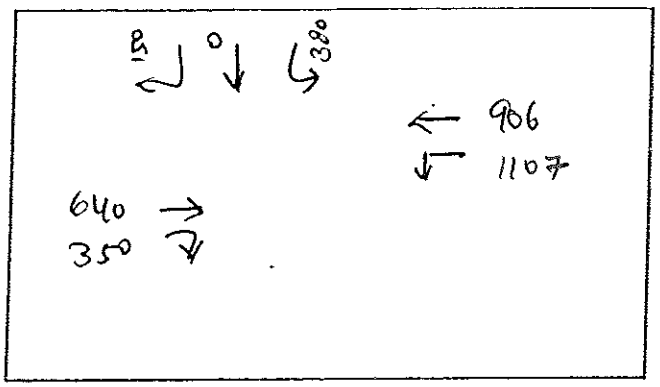
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run 4

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
35 35 190 190	365 365 554 553	88 88 320 670	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
190	554	670	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1414

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

WITH WB Barrier between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

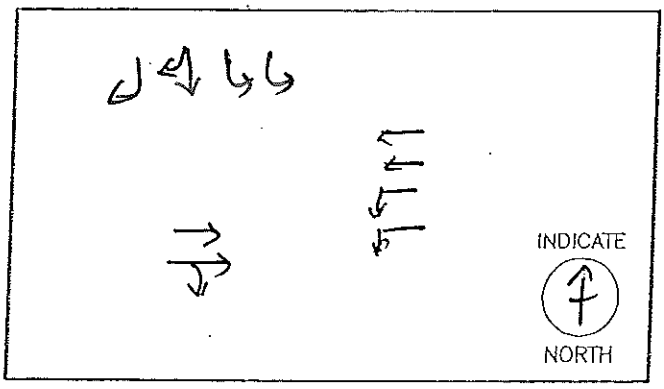
INTERSECTION I-5 SB Ramps / Carmel Valley Road

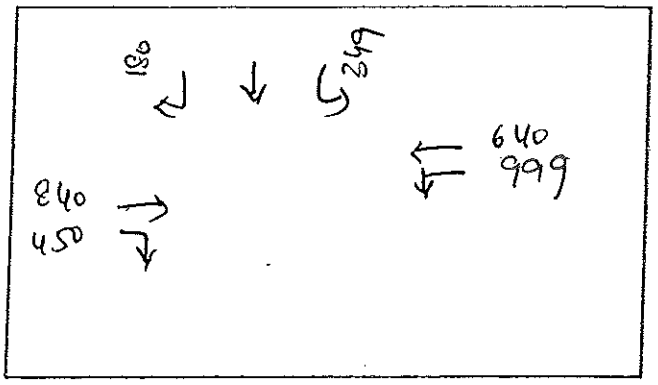
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

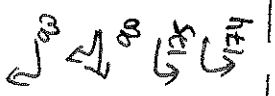
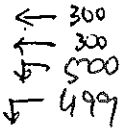
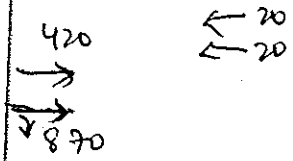
TIME 2030 AM/PM Run G7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
175	500	870	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1545

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

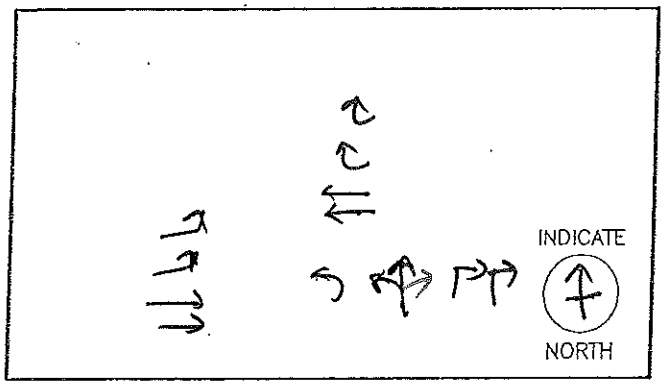
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

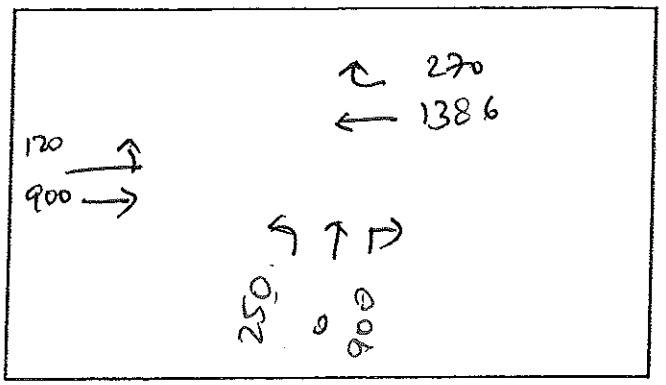
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 60 60 60	135 135 390 693 693 390	125 425 200 300	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	693	425	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1178

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

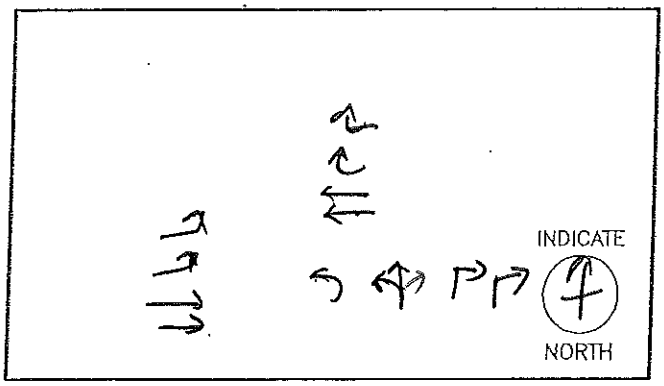
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

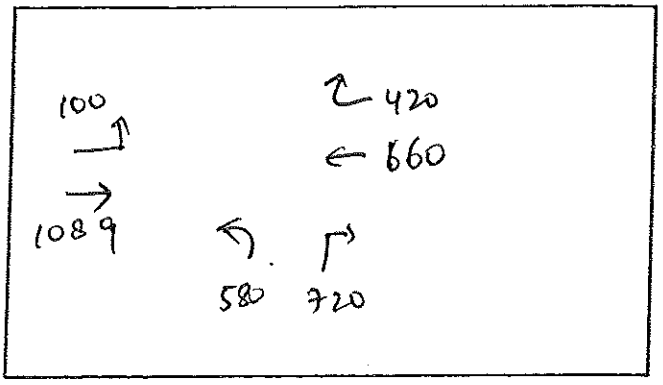
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

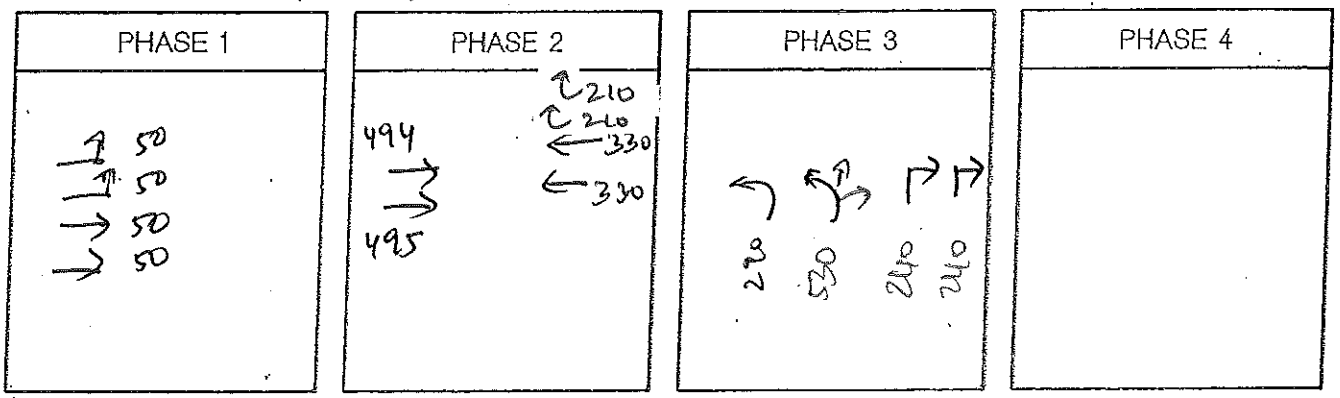
TIME 2030 AM/PM Run G7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	495	530	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1075

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

EB slip off ramp to Carmel Creek Road eliminated

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

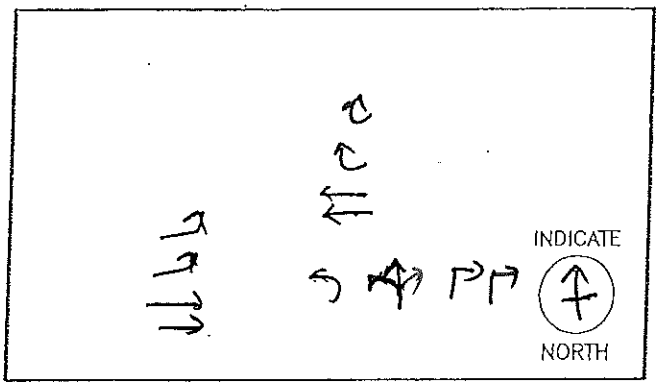
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

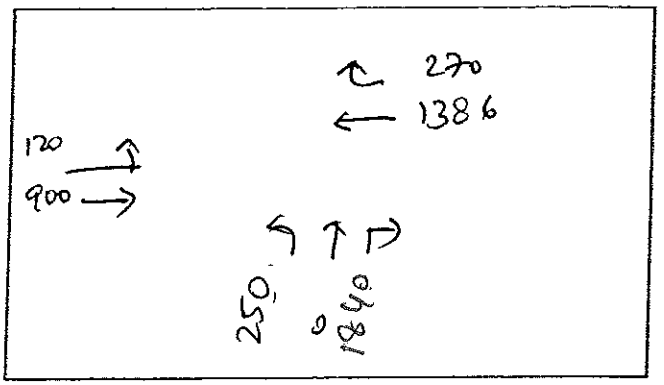
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 [AM] PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 ↑ 60 ↑ 60 → 60 →	135 ↑ 135 ↑ 390 → → 390 ← 693 ← 693	↰ ↑ ↱ ↱ 125 739 613 613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	693	739	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1492

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

EB slip off ramp to Carmel Creek Road eliminated.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

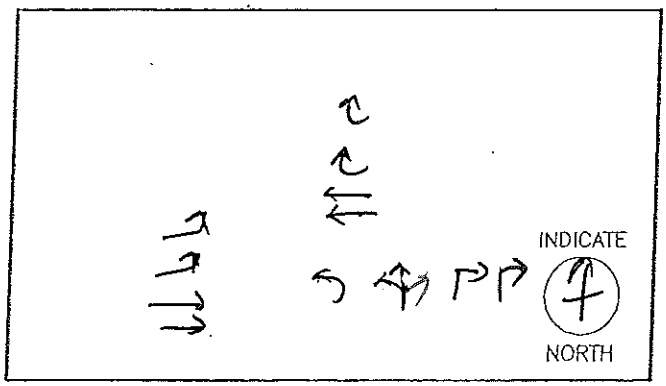
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

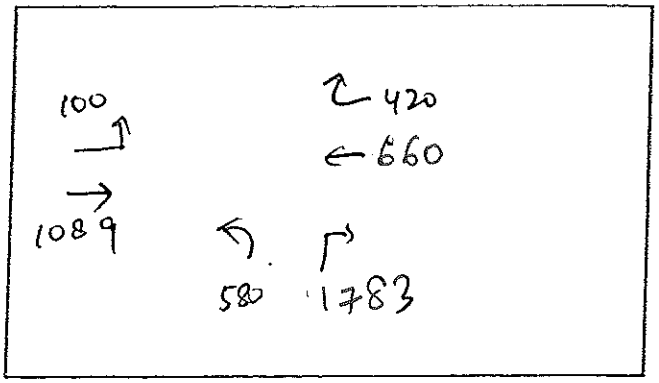
DIST. CO. RTE. P.M. 11 / I-5

BY VLS DATE

TIME 2030 AM/PM Run G7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	210 240 330 330 494 495	220 885 594 594	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	495	885	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1430

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

With WB Barrier between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

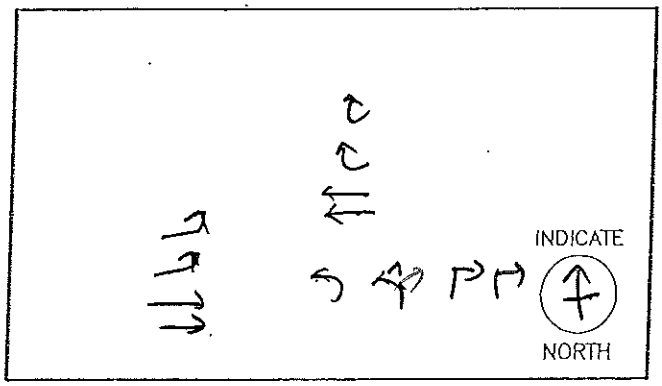
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

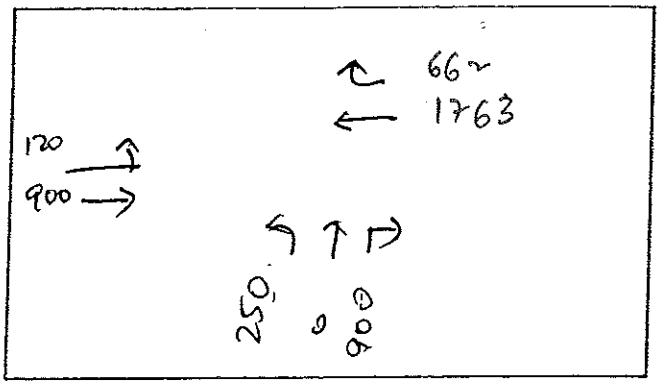
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 [AM] PM Run G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 60 60 60	331 331 390 881 882 390	125 425 300 300	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	882	425	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1367

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

With WB Barrier between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

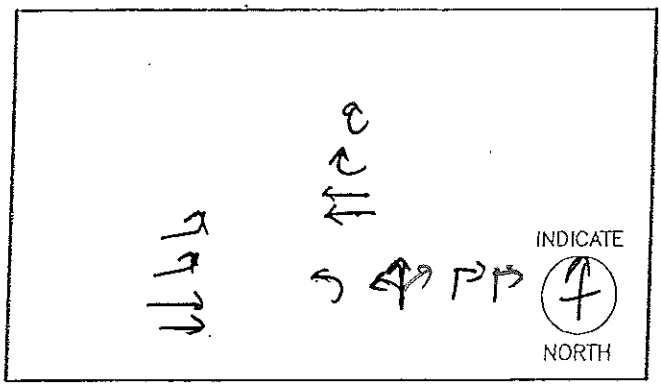
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

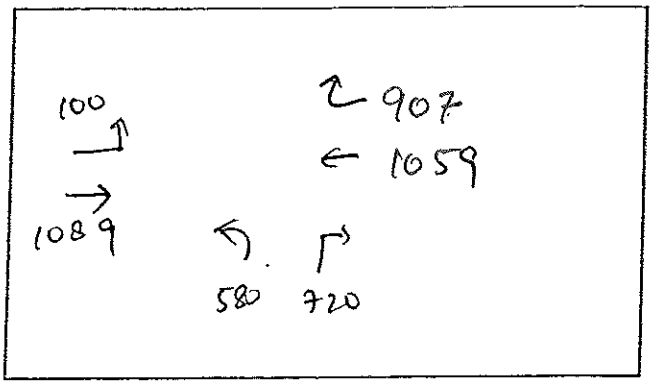
DIST. CO. RTE. P.M. 11 / I-5

BY VLS DATE

TIME 2030 AM/PM Run G7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	454 453 529 530 494 495	23 520 240 240	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	530	520	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1110

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

NO Slip ramp to EB Carmel Creek Road + With Barrier between Carmel Creek Rd and ECR.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

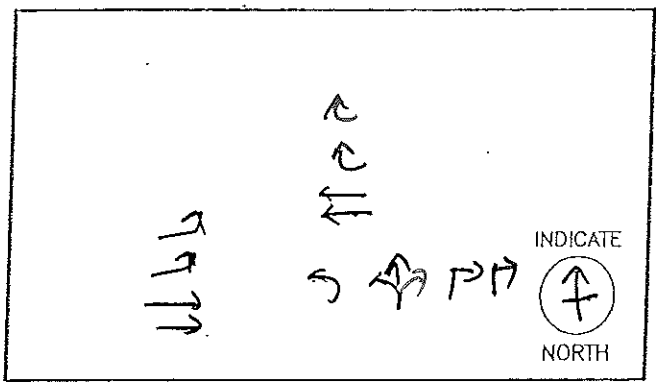
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

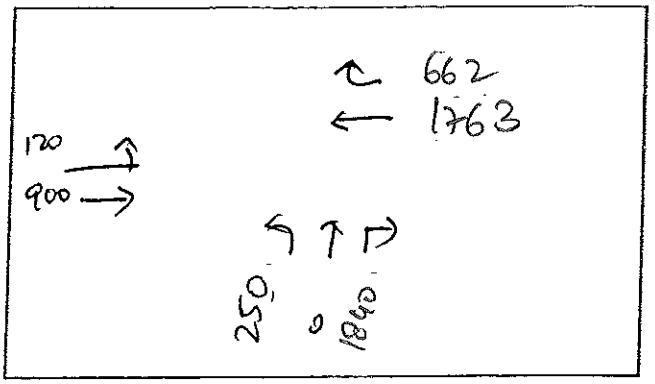
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

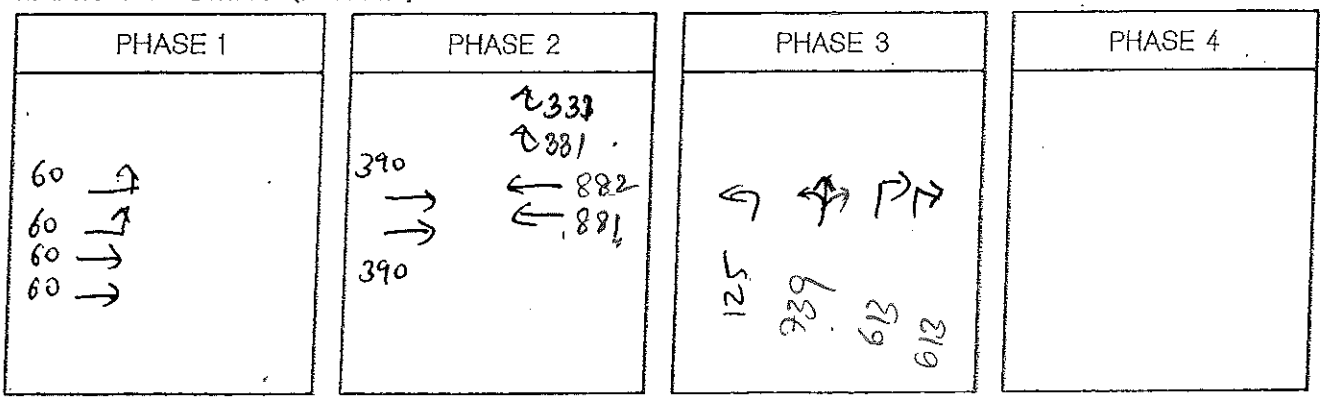
TIME 2030 [AM] PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	88.2	739	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1681

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

No Slip ramp to EB Carmel Creek Road + and I-5 With Barrier between Carmel Creek Road and I-5.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

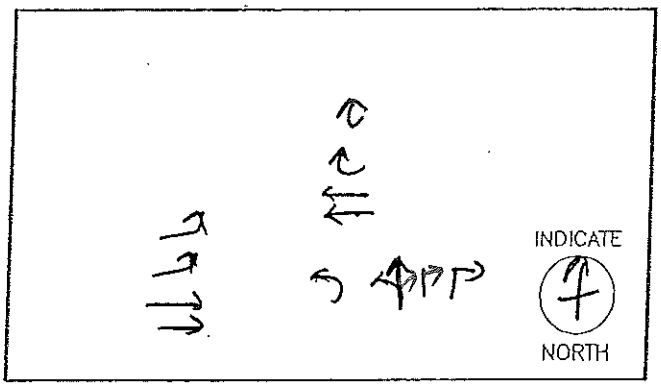
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

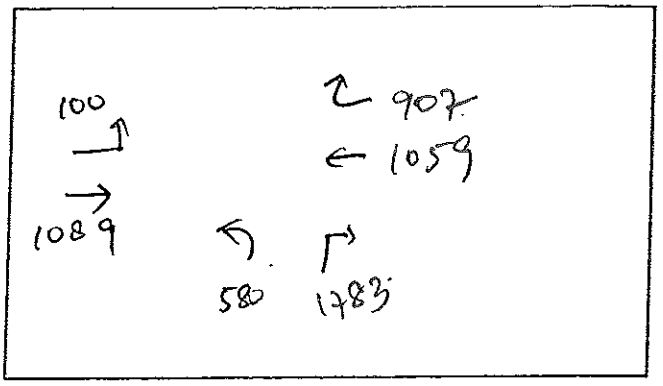
DIST. CO. RTE P.M. 11 / I-5

BY VLS DATE

TIME 2030 AM/PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	454 463 529 530 494 495	290 885 594 594	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	530	885	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1465

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

NB Slip ramp to EB Carmel Creek Road + WB C-D between Carmel Creek Rd and ECR.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

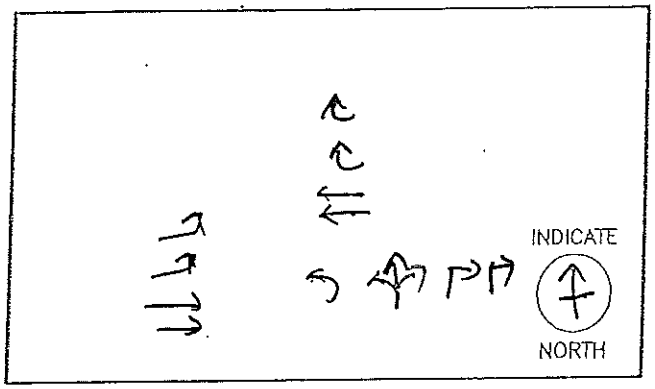
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

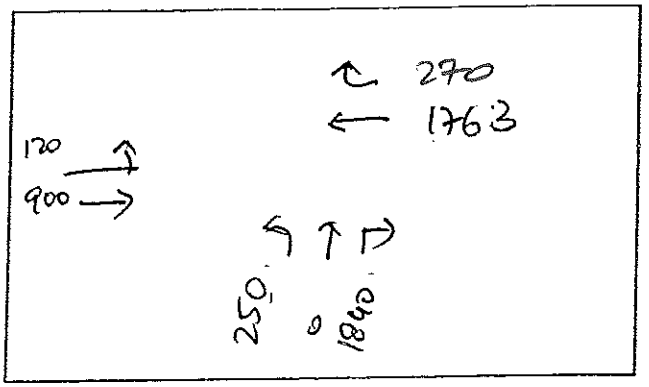
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 [AM] PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 ↑ 60 ↱ 60 → 60 →	390 → 390 ↑ 135 ↑ 135 ← 882 ← 891	125 739 613 613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	88.2	739	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1681

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

No slip ramps to EB Carmel Creek Road + and FCR. WB C-D between Carmel Creek Road

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

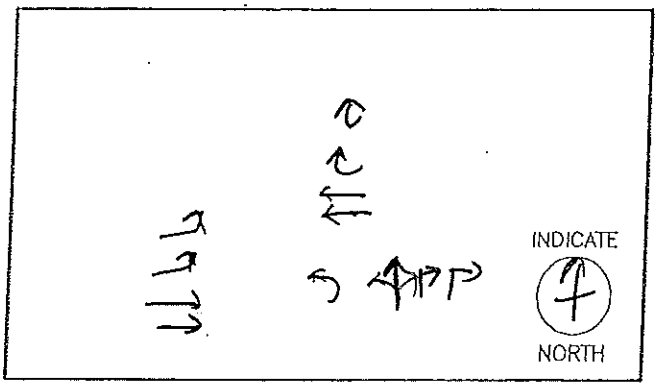
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

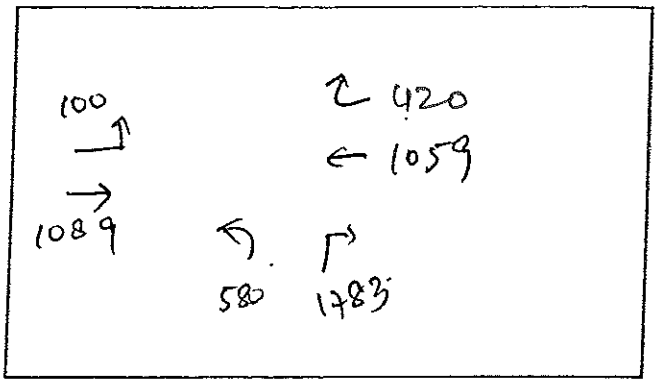
DIST. CO. RTE. P.M. 11 / I-5

BY NS DATE

TIME 2030 AM/PM Run G7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	494 495 210 210 529 530	229 885 495 495	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	530	885	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1465

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

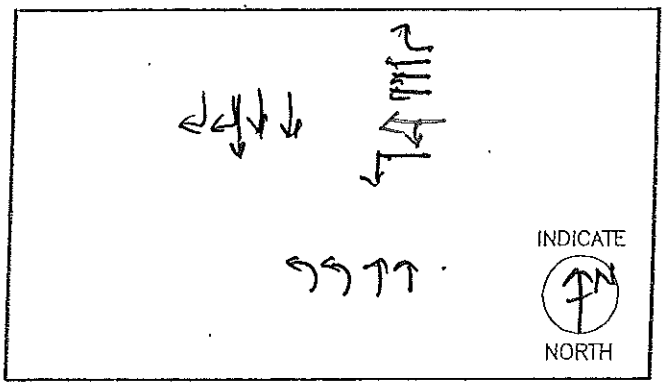
INTERSECTION SR 56 WB Ramps / El Camino Road

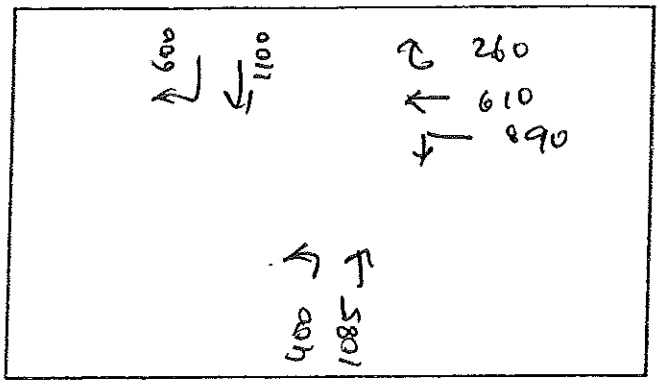
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

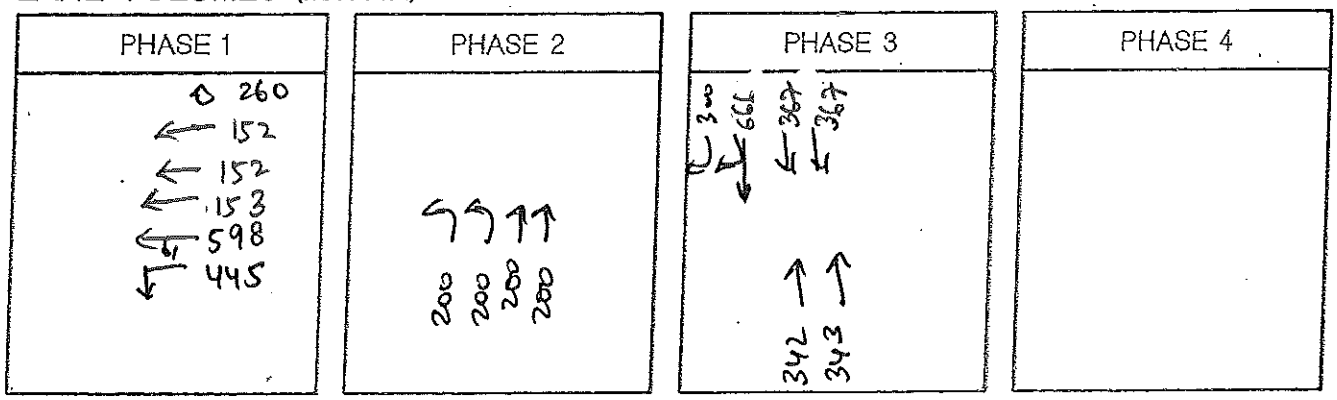
TIME 2020 /AM PM Rem 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
598	200	666	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1464

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

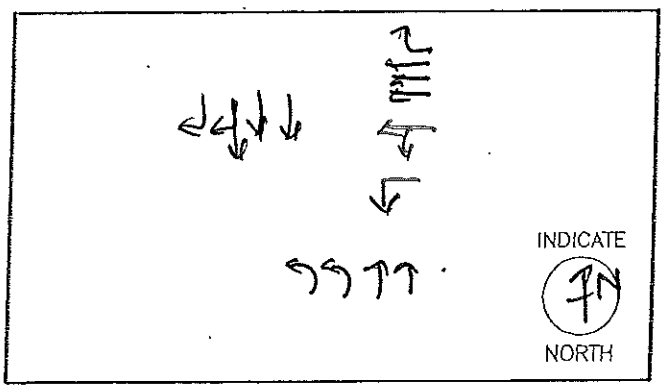
INTERSECTION SR56 WB Ramps / El Camino Road

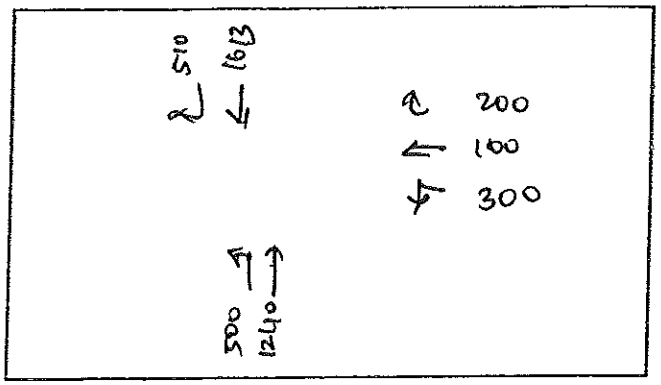
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

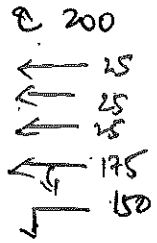
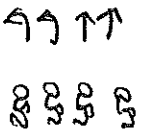
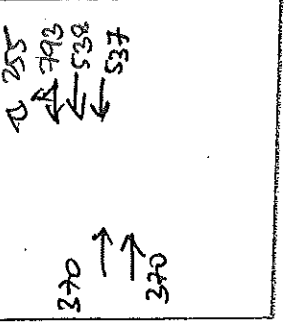
TIME 2020 AM/PM Rum by

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
200	250	793	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1243

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

With WB Barrier between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

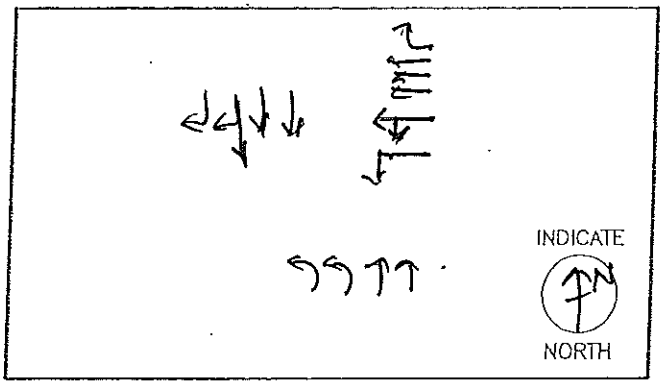
INTERSECTION SR56 WB Ramps / El Camino Real

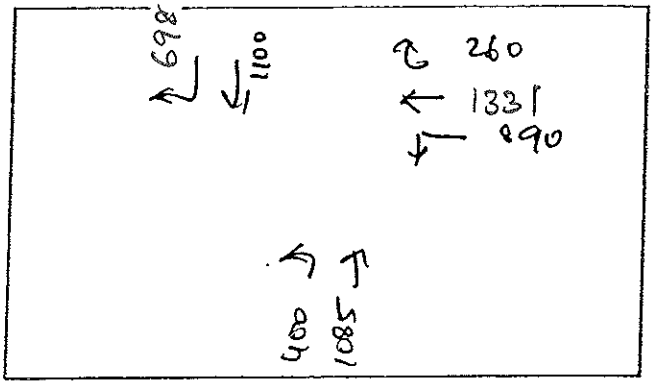
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 / AM PM Rev 9

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
260 333 332 323 778 445	200 200 200 200	349 215 367 289 342 343	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
778	200	715	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1693

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

With WB Barrier between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

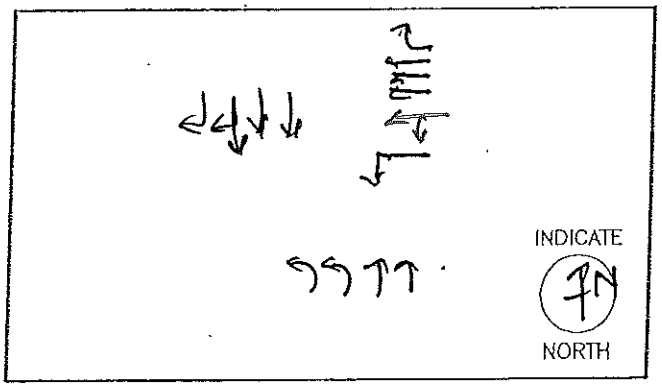
INTERSECTION SR56 WB Ramps / El Camino Real

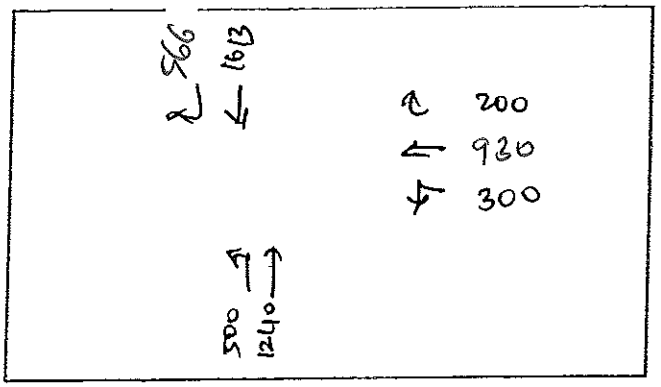
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

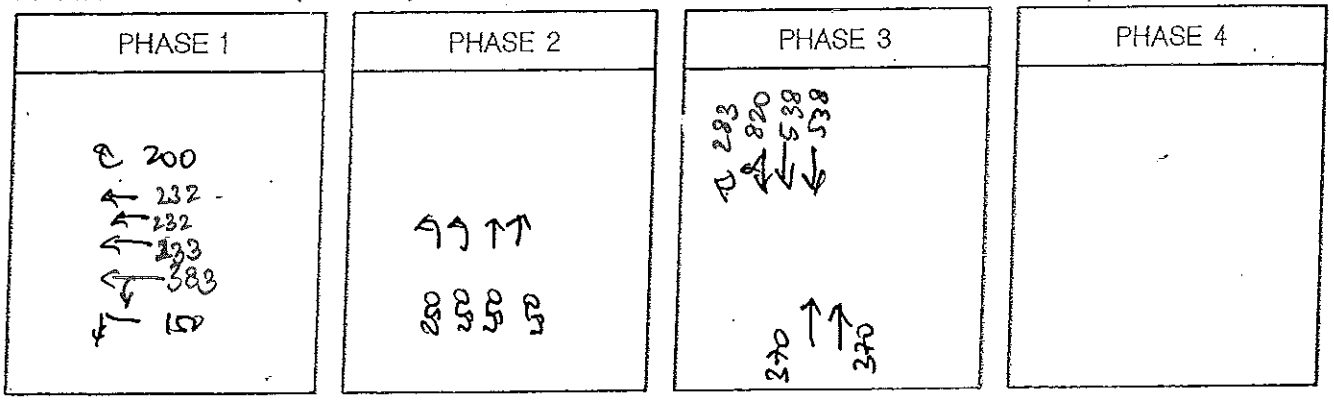
TIME 2020 AM/PM Ramp

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
303	250	820	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1453

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

With WB C-D between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

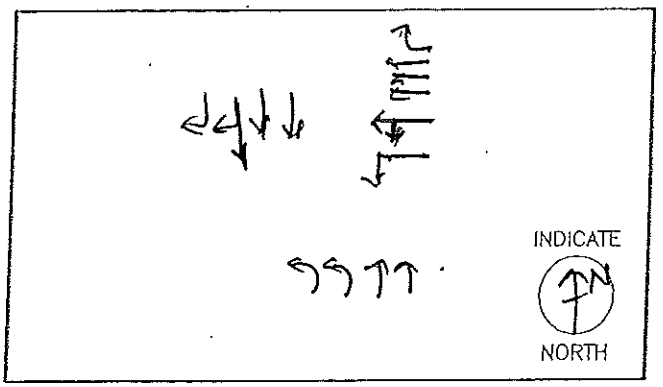
INTERSECTION SR56 WB Ramps / El Camino Real

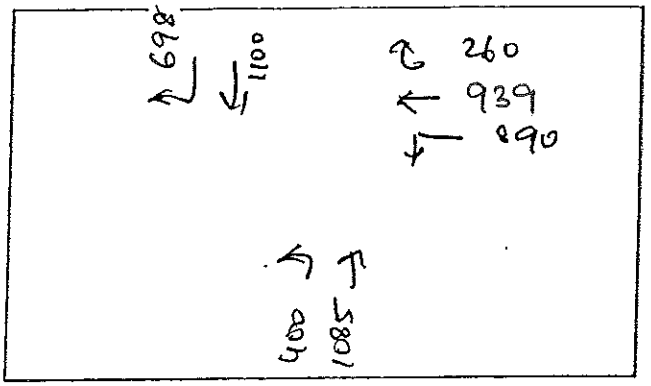
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

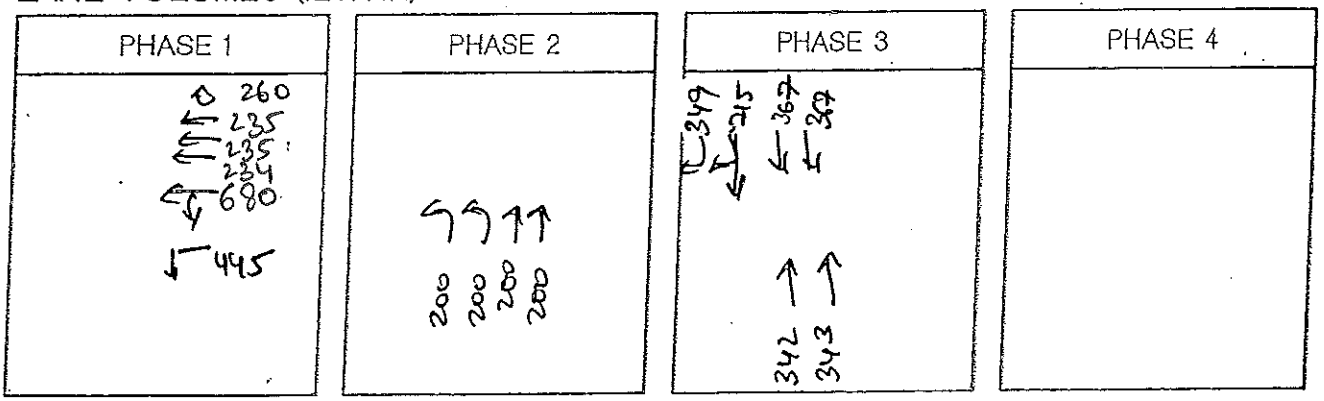
TIME 2030 / AM PM Rev. 9

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
680	200	715	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1595

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

With WB C-D between Carmel Creek Road and El Camino Real.

Signalized Intersection
CAPACITY ANALYSIS

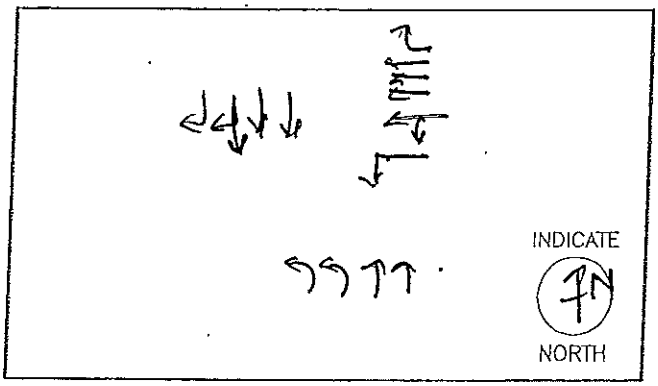
INTERSECTION SR56 WB Ramps / El Camino Real

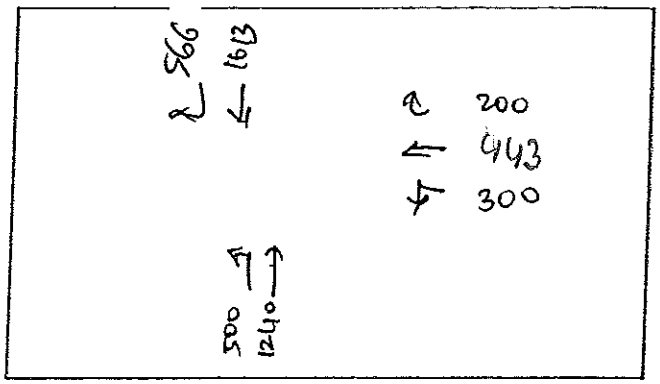
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

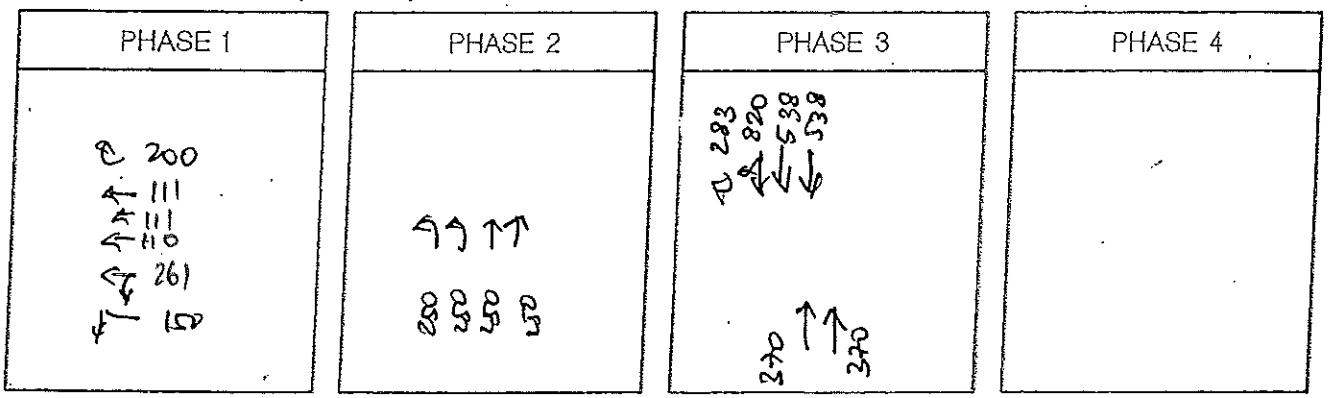
TIME 2020 AM/PM Ramp

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
261	250	820	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1331

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

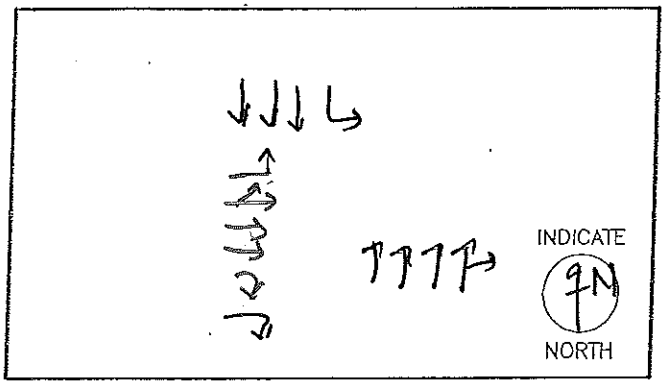
INTERSECTION SR 56 EB Ramps / El Camino Real

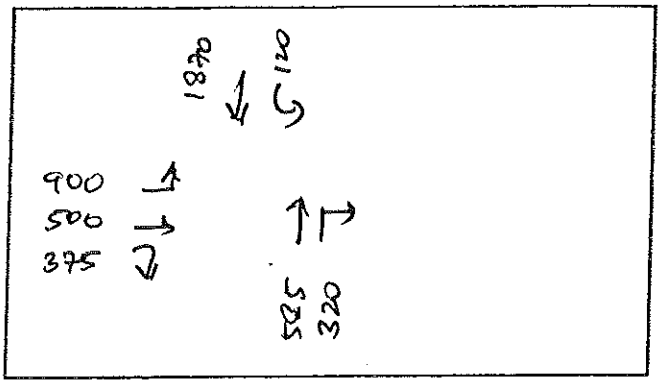
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2030 AM PM Run G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
450, 617, 166, 166, 187, 188	120, 120, 120, 120	503, 503, 504, 146, 146, 146, 467	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
617	120	504	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1241

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

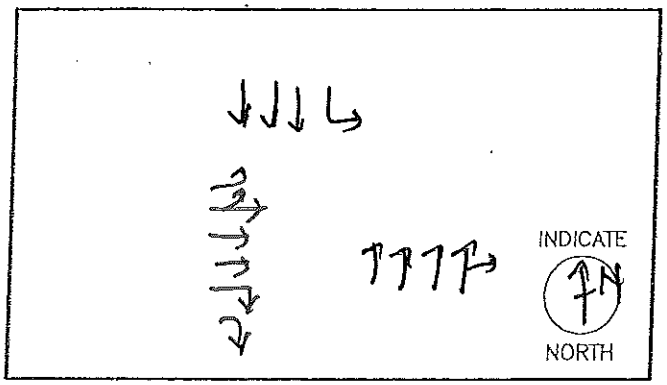
INTERSECTION SR 56 EB Ramps / El Camino Real

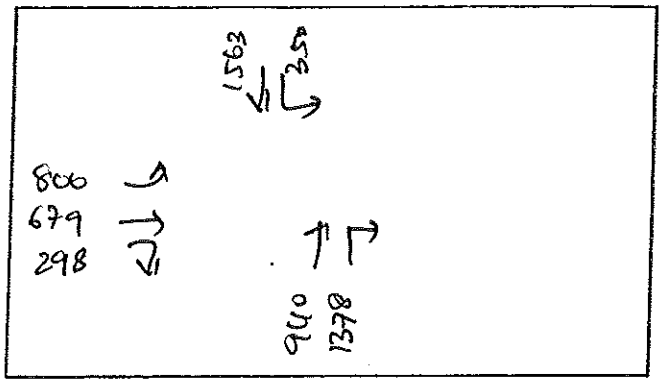
DIST. CO. RTE. P.M. 11 / SR 56

BY VG DATE

TIME 2030 AM/PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 ↑ 627 ↗ 226 → 226 → 149 ↘ 149 ↘	350 ↓ 350 ↓ 350 ↓ 350 ↳	171 ↓ 171 ↓ 171 ↓ ↑↑↑↑→ 235 235 235 1613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
627	350	1613	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
2590

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

No EB Slip Ramps to Carmel Creek Road.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

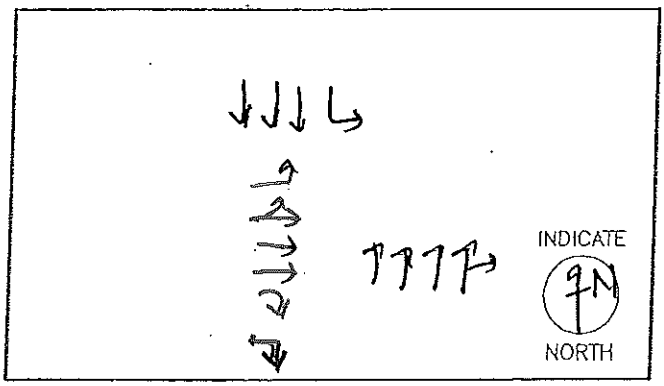
INTERSECTION SR 56 EB Ramps / El Camino Real

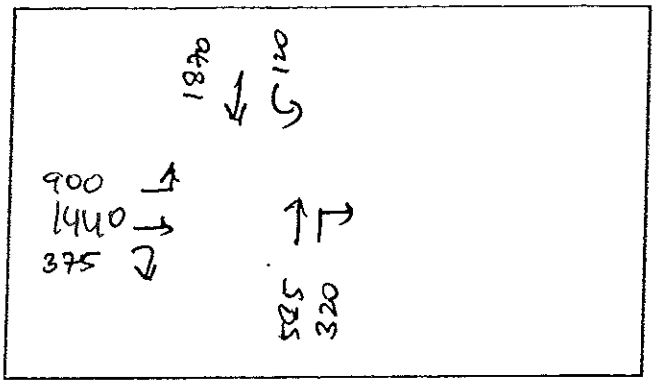
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

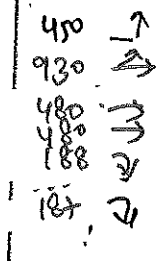
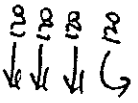
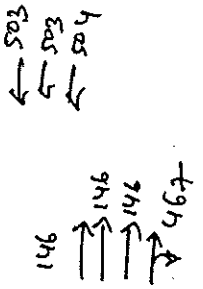
TIME 2030 AM PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
930	120	504	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1554

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

No EB slip ramp to Carmel Creek Road.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

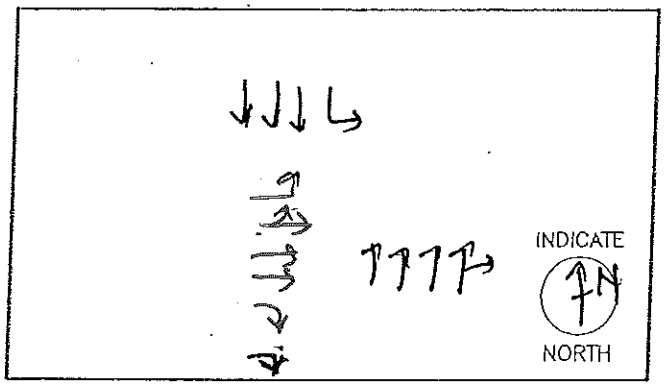
INTERSECTION SR 56 EB Ramps / El Camino Real

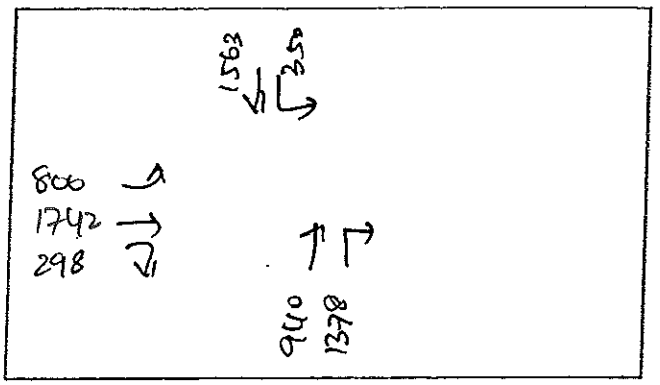
DIST. CO. RTE. P.M. 11 / SR56

BY VG DATE

TIME 2030 AM/PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 ↱ 1061 → 581 → 580 → 149 ↴ 149 ↴	359 ↓ 359 ↓ 359 ↓ 350 ↳	171 ↓ 171 ↓ 171 ↓ ↑↑↑↱ 235 235 235 1613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
1061	350	1613	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
3624

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

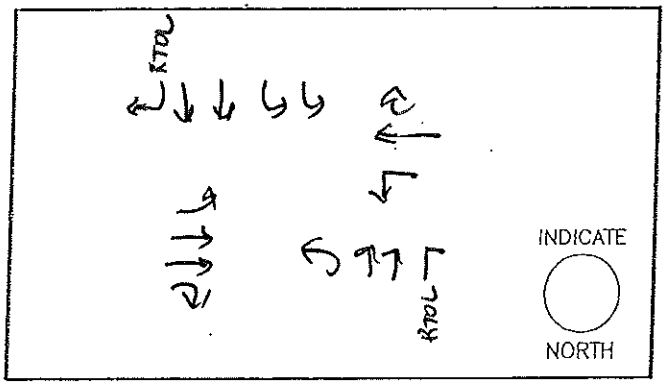
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

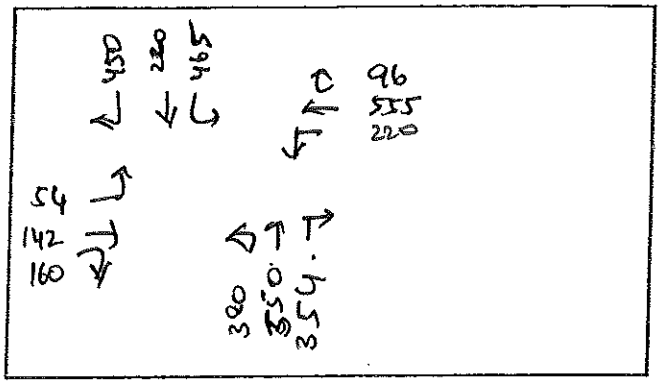
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

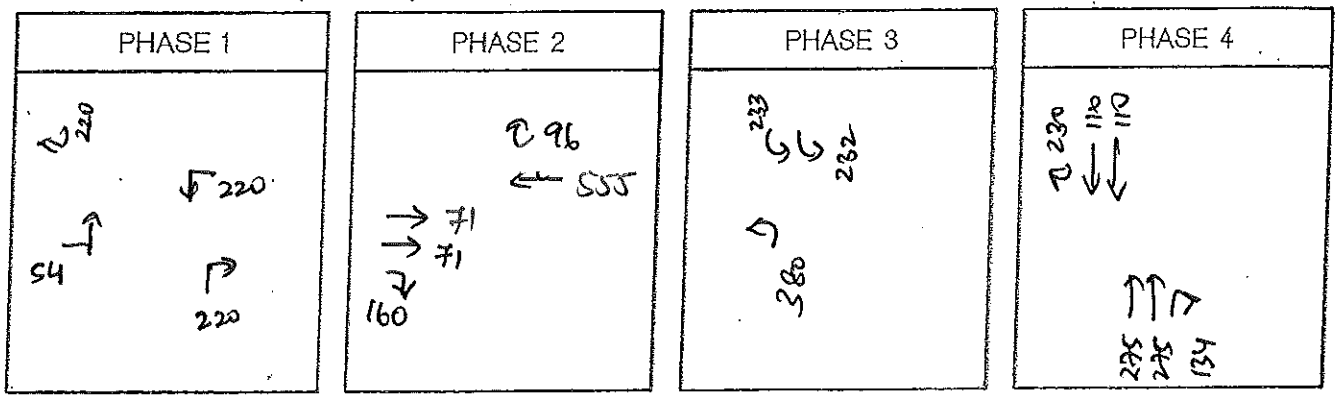
TIME 2030 AM Rum G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
220	555	380	975

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1480

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

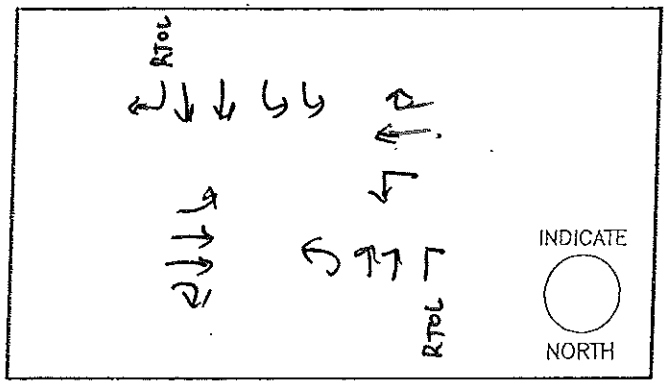
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

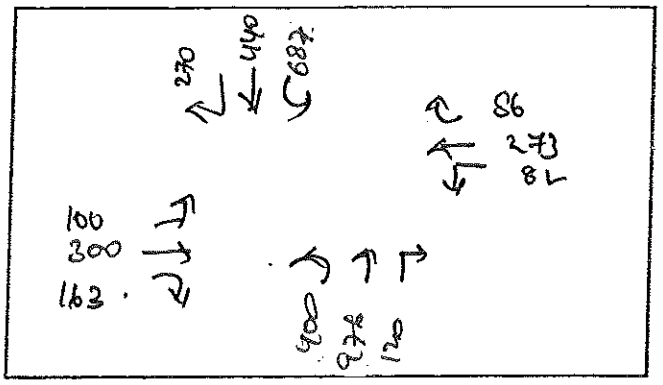
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

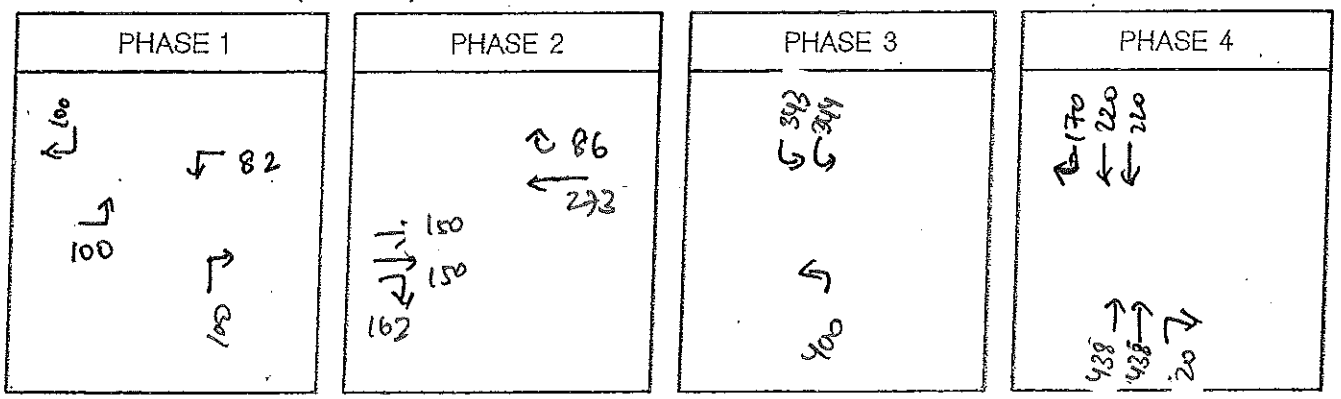
TIME 2030 [PM] 2030 Run 7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
100	273	400	438

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1211

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

No EB slip off-ramp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

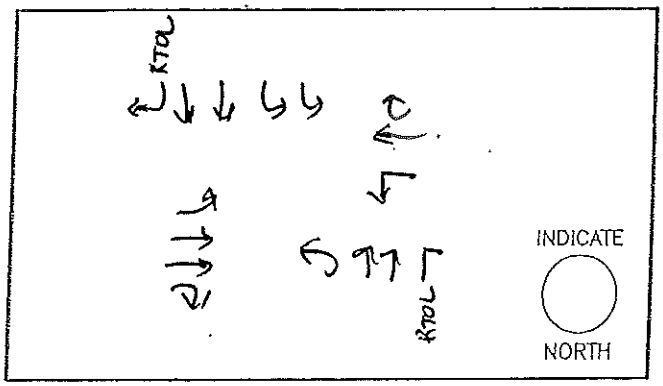
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

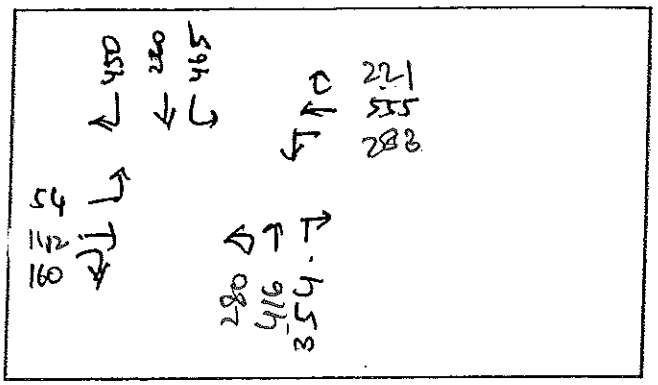
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

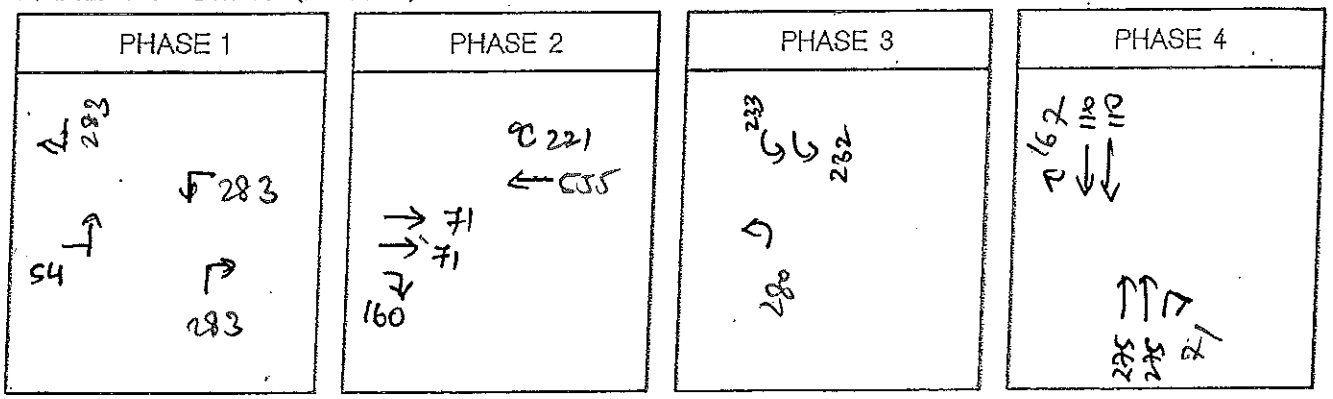
TIME 2030 AM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
283	555	280	275

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1393

☐ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

No EB Slip ramp at Carmel Creek Road.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

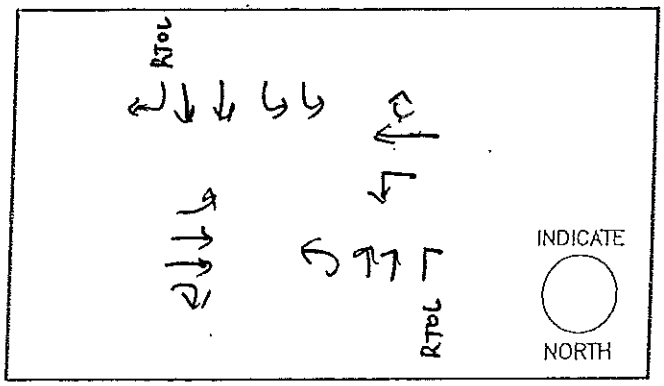
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

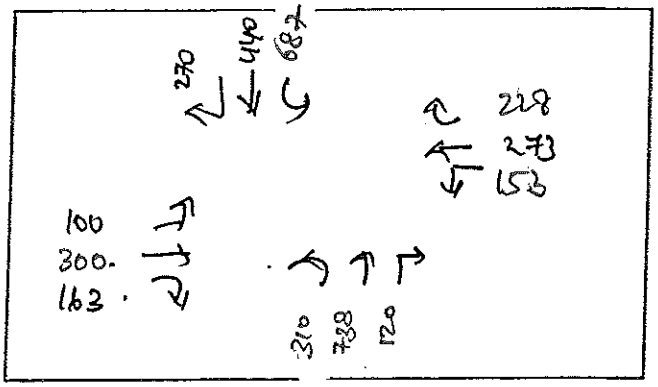
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

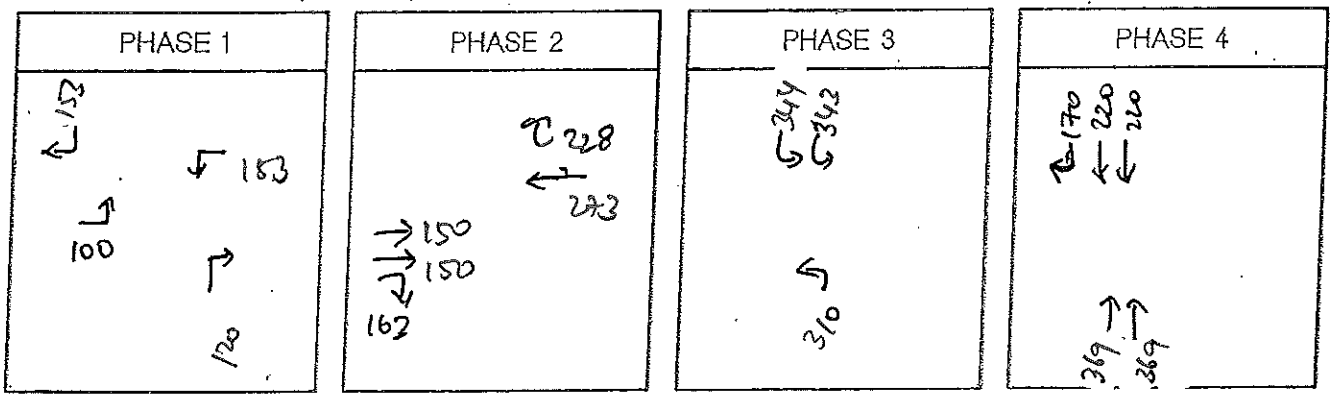
TIME 2030 [PM] 2030 Runs

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
153	273	343	369

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1138

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

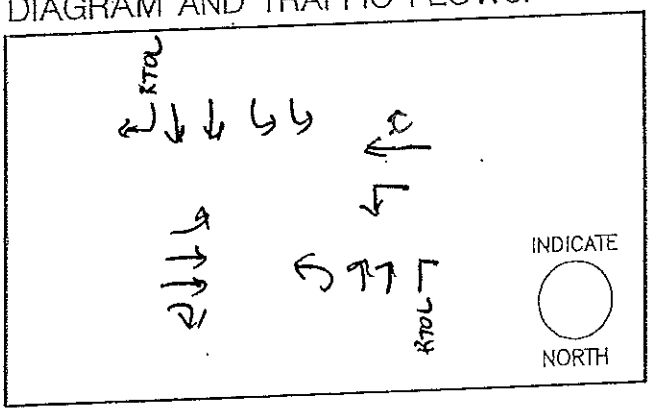
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

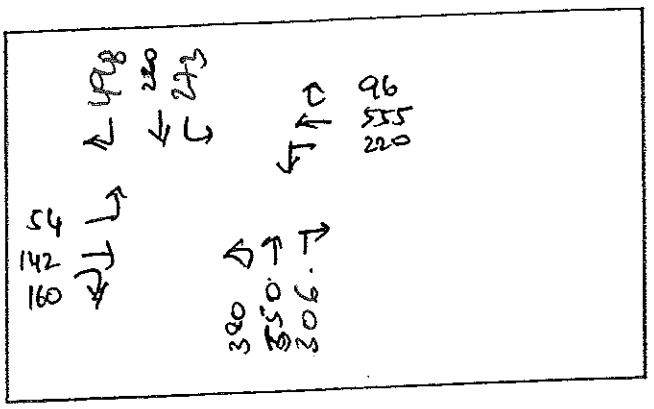
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

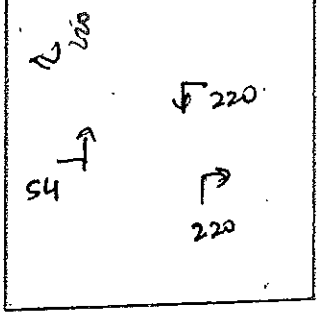
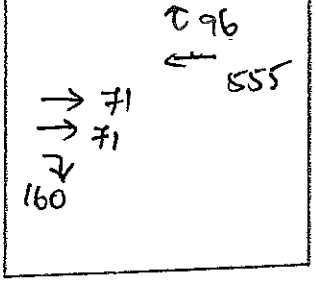
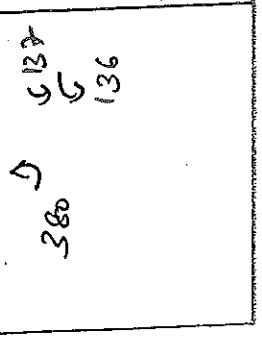
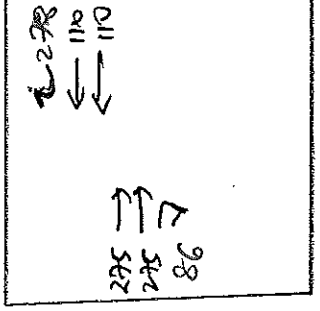
TIME 2030 AM Run 4

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
220	555	380	278

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1433

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

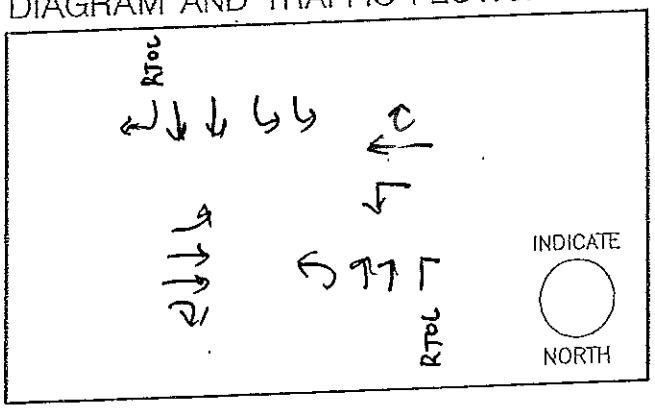
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

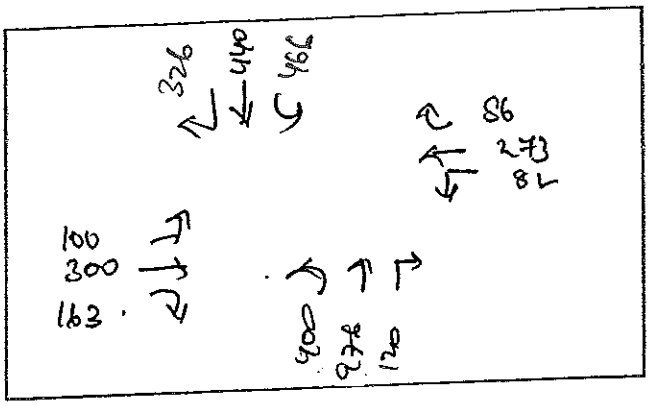
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

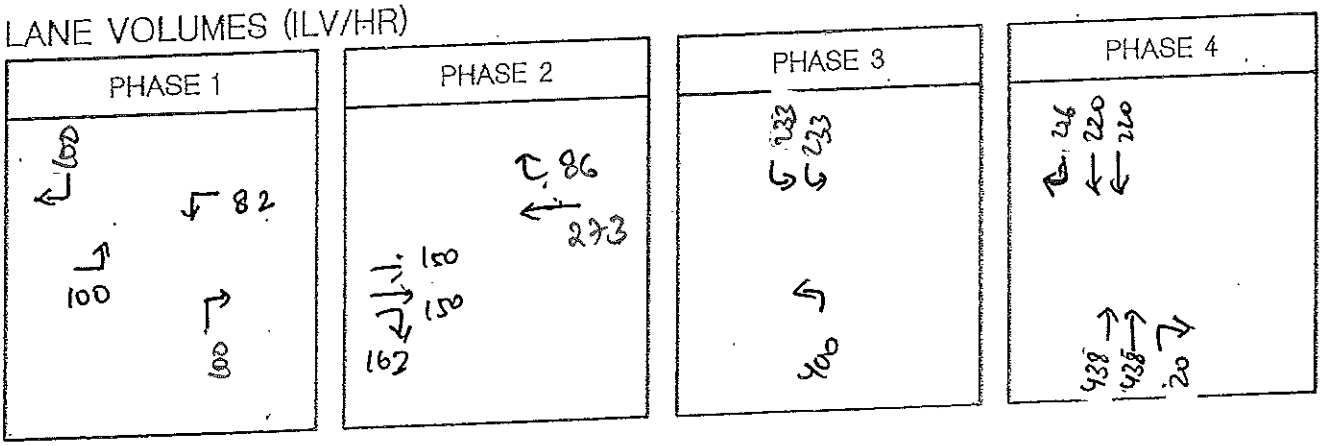
TIME 2030 [PM] 2030 Rum

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
100	273	400	438

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1211

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

No EB Slip + With WB Barrier.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

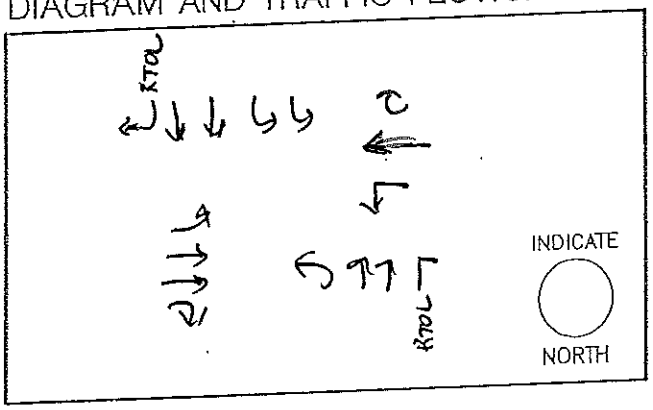
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

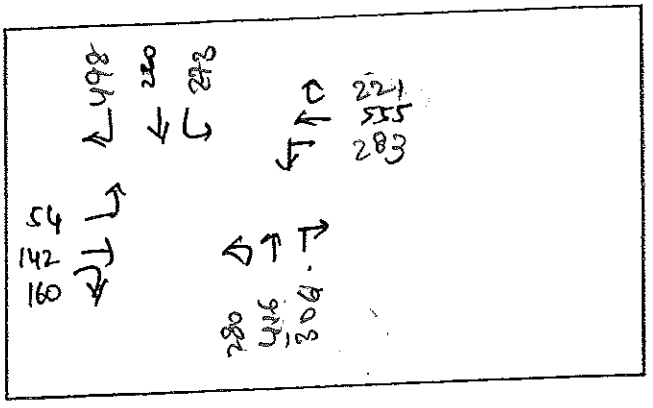
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

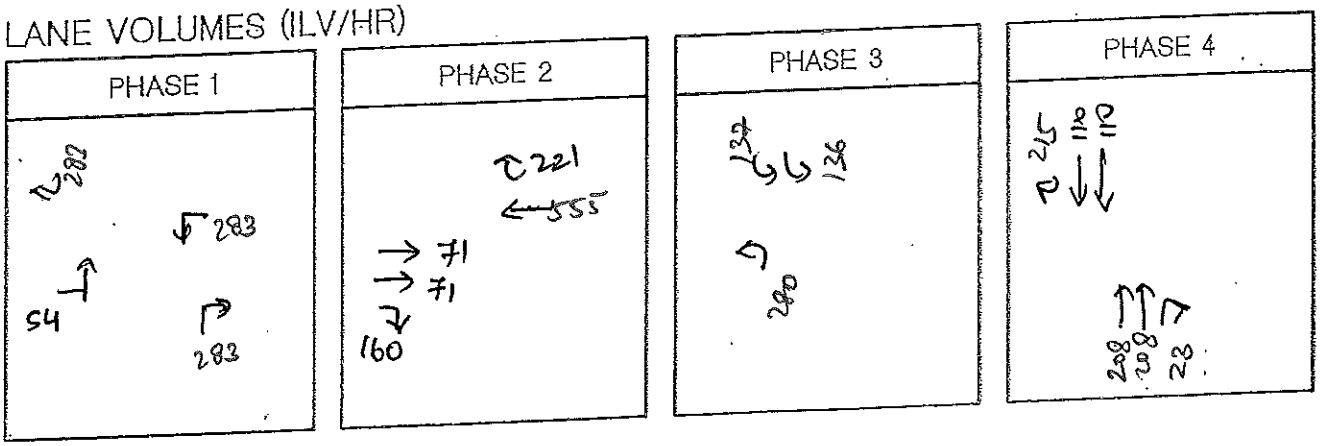
TIME 2030 AM Rum 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
283	555	280	215

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1333

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

No EB Slip + With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

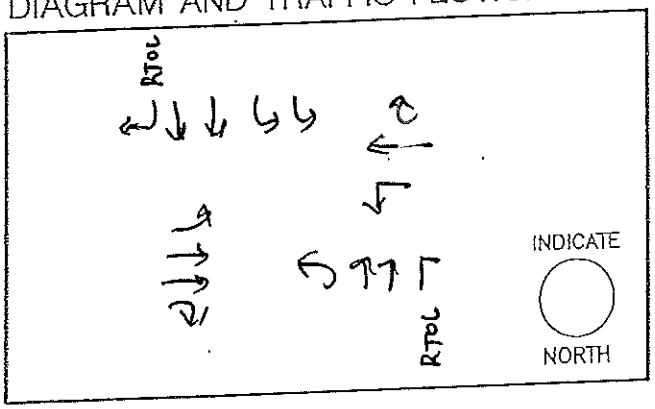
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

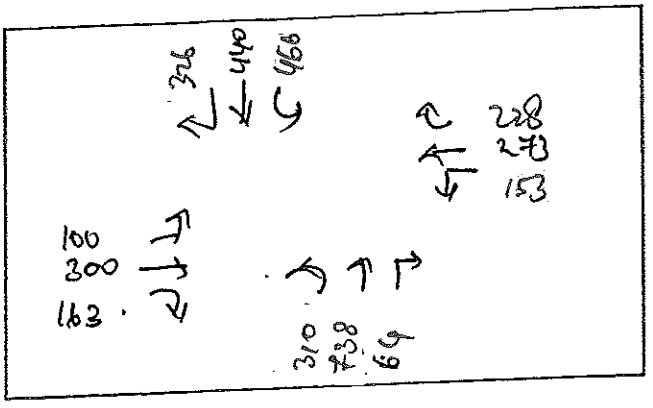
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

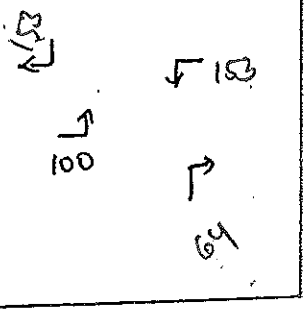
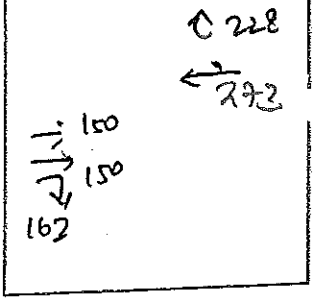
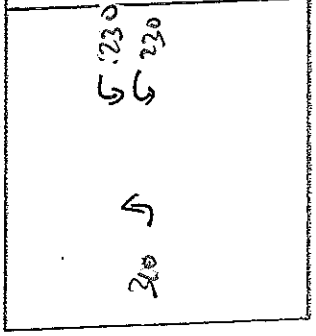
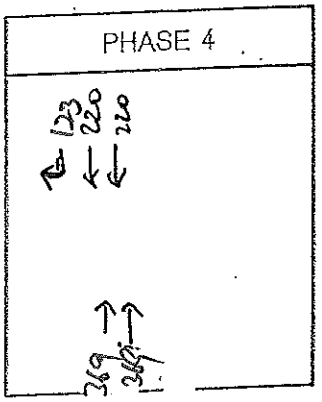
TIME 2080 PM 2030 Rmn 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
153	273	310	369

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1105

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

No EB Slip t with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

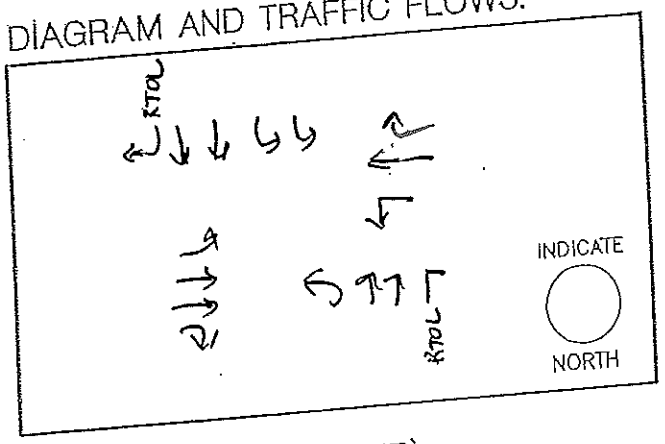
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

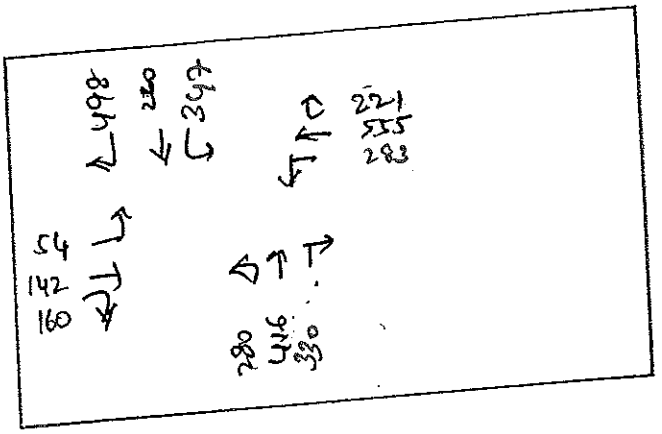
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

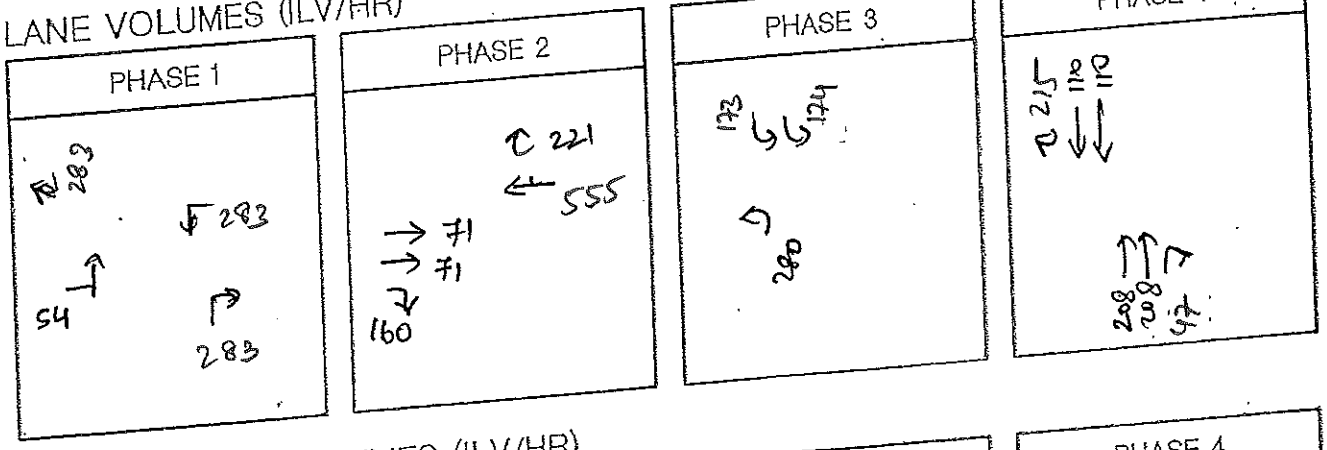
TIME 2030 AM Rum 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
283	555	280	215

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1333

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

No AB Slip + With WB C–D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

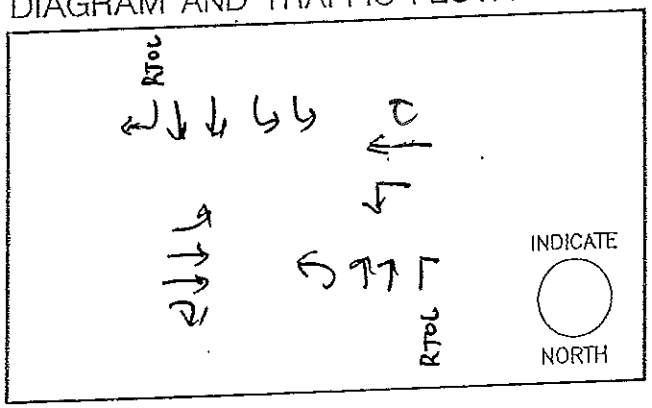
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

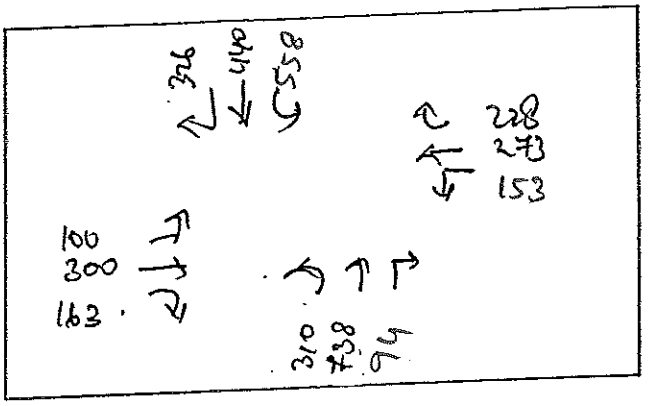
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

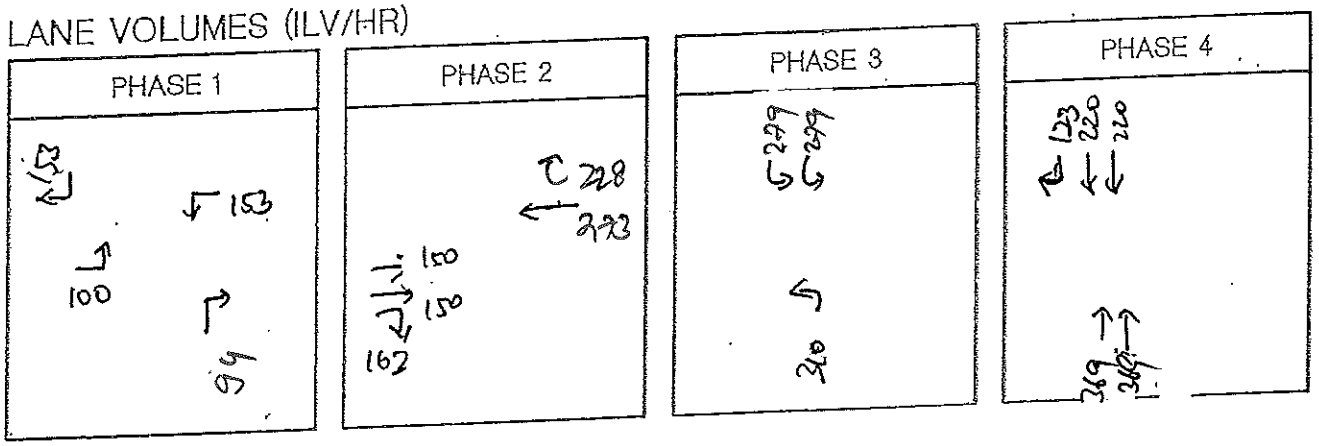
TIME 2080 PM 2030 Run

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
153	273	279	369

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1074

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

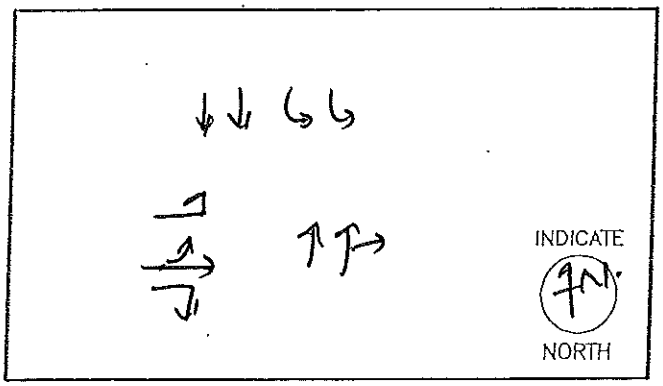
INTERSECTION SR 56 Ramps / Carmel Creek Road.

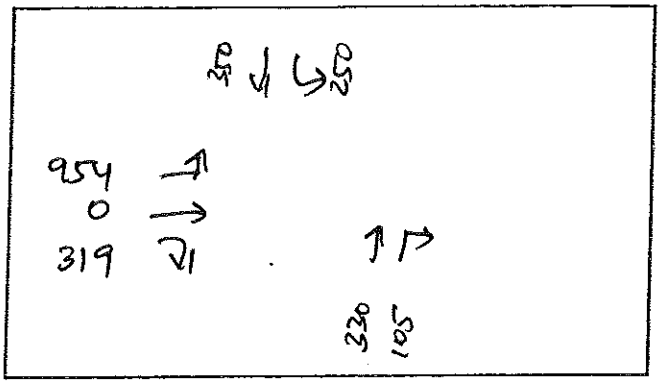
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2030 AM PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
477 477 319	125 125 125 125	95 95 165 270	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
477	125	270	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
872

IS . . .

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

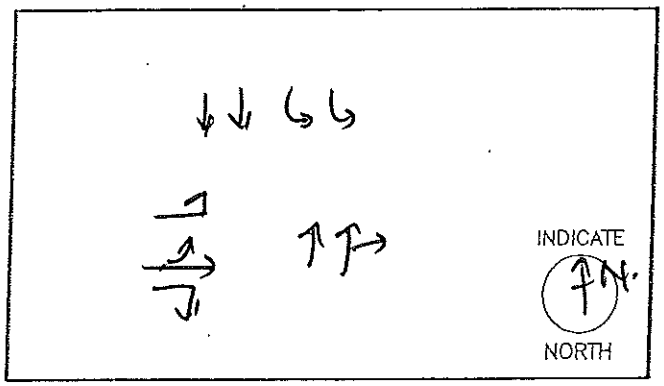
INTERSECTION SR 56 Ramps / Carmel Creek Road.

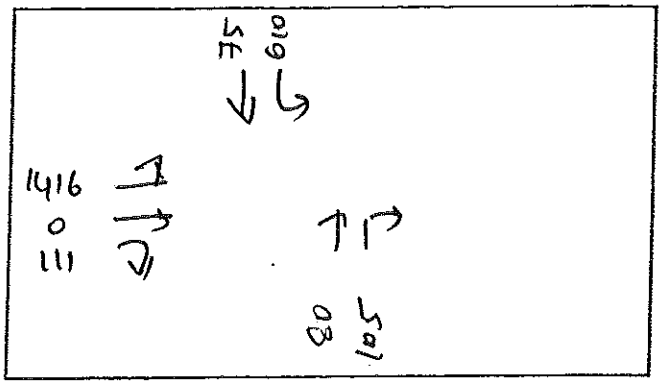
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE /

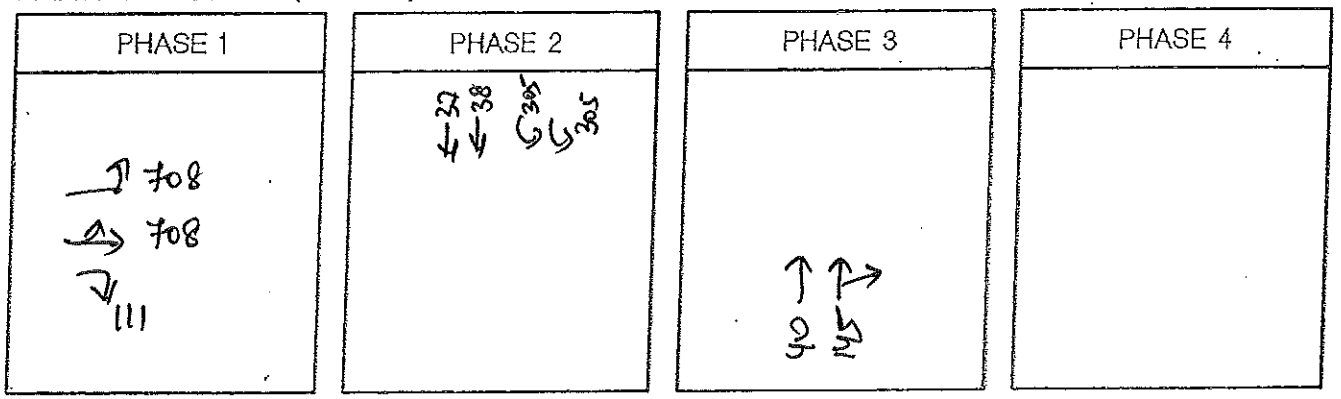
TIME 2030 AM / PM Run 7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
708	305	145	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1158

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

No EB Slipramp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

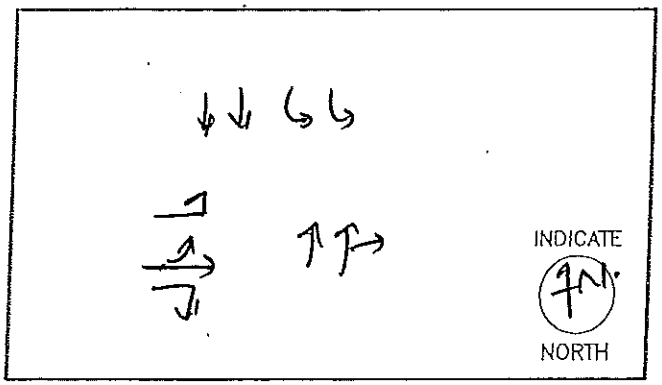
INTERSECTION SR EB Ramps / Carmel Creek Road.

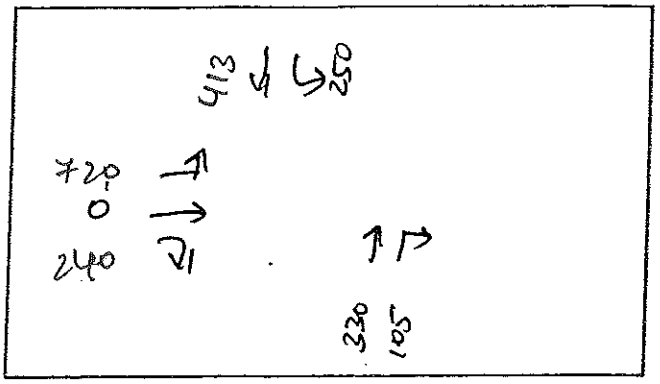
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2030 AM PM Run G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360 360 240	125 125 125 125	81 82 165 270	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360	125	270	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
755

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

No EB Slip ramp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

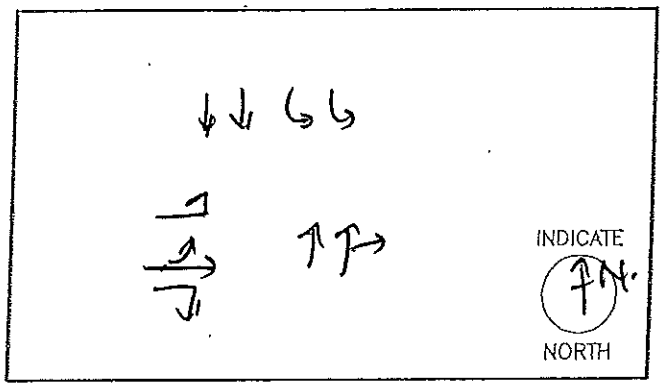
INTERSECTION SR EB Ramps / Carmel Creek Road.

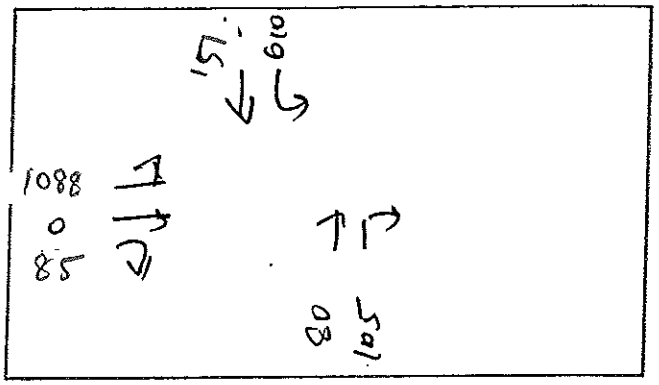
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE /

TIME 2030 AM PM Run G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544 544 85	75 76 305 305	40 145	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544	305	145	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
994

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

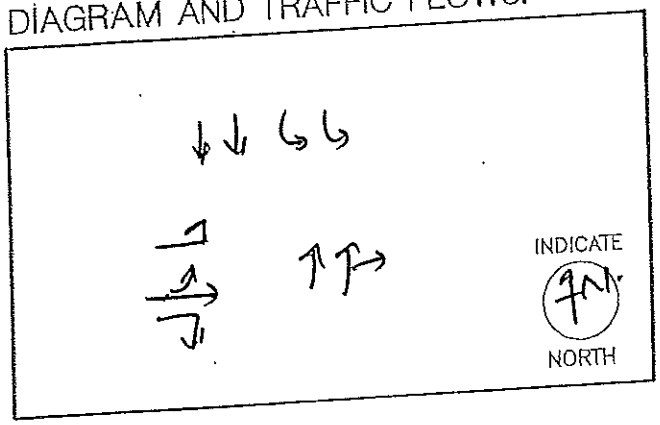
INTERSECTION SR EB Ramps / Carmel Creek Road.

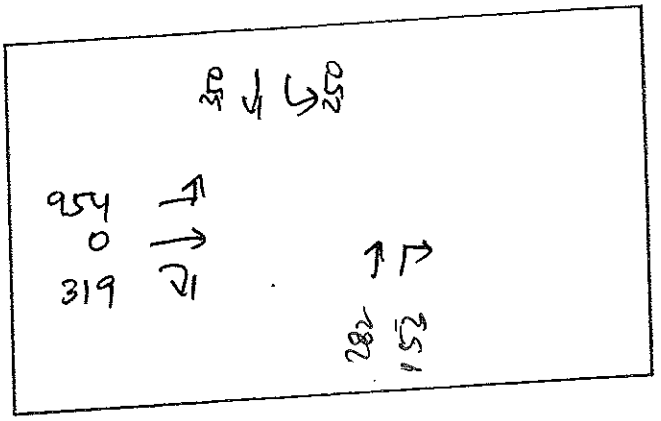
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2030 AM PM Run G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
477 477 319	125 125 125 125	250 250 141 294	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
477	125	294	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
896

IS . . .

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

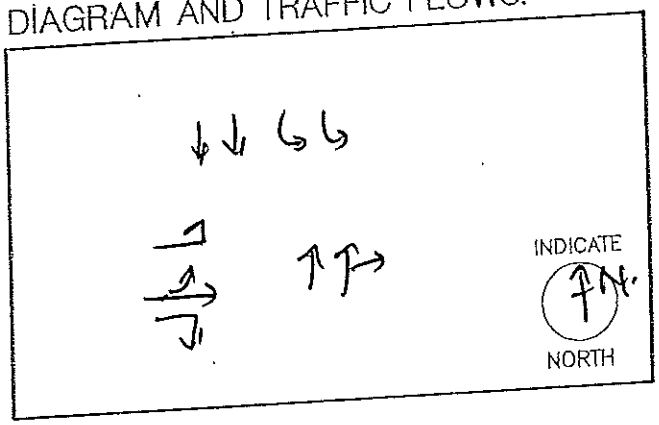
INTERSECTION SR 56 Ramps / Carmel Creek Road.

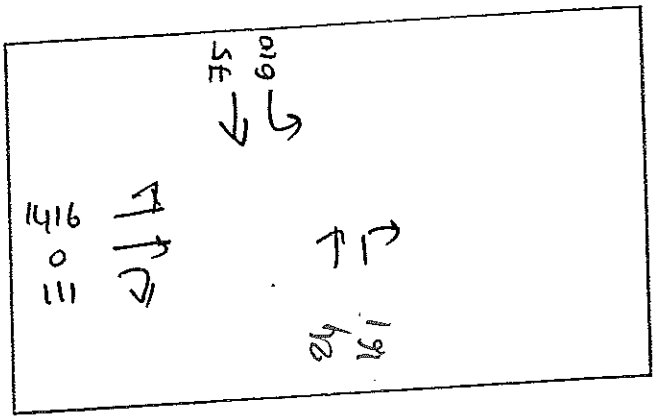
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2020 AM/PM Run 7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
708 708 111	27 38 365 305	2 173	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
708	305	173	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1186

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

No EB Slip + With WB Barrier.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

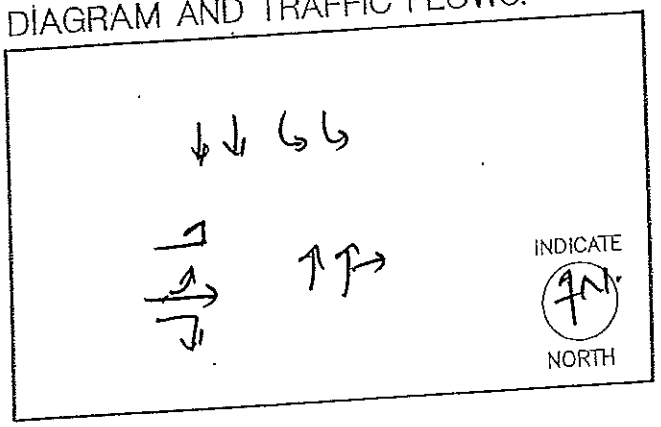
INTERSECTION SR 56 Ramps / Carmel Creek Road.

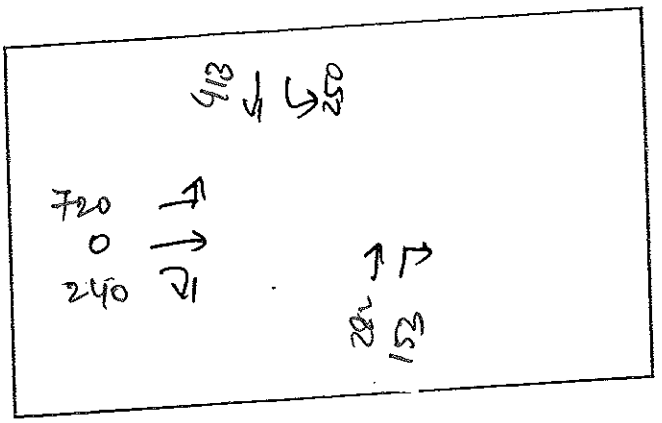
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360 / 360 / 240	125 / 125 / 125 / 125	153 / 156 / 141 / 294	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360	125	294	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
779

IS . . .

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

No EB Slip + With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

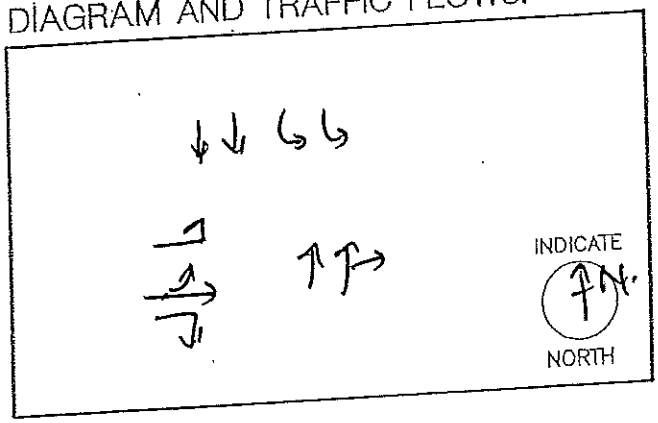
INTERSECTION SR 56 Ramps / Carmel Creek Road.

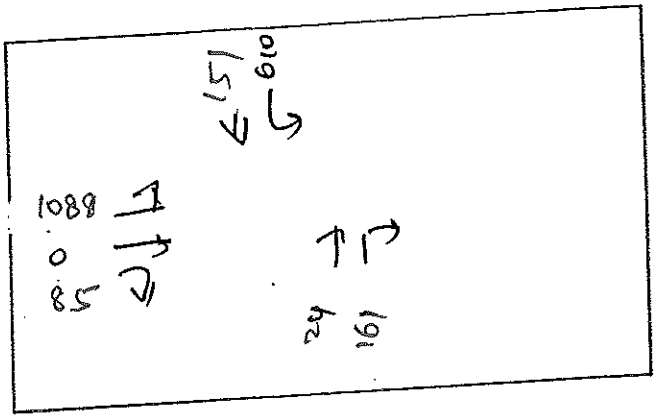
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE

TIME 2020 AM / PM Run 7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544 544 85	338 305	12 173	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544	305	173	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1022

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

No EB Slip + With WB C–D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

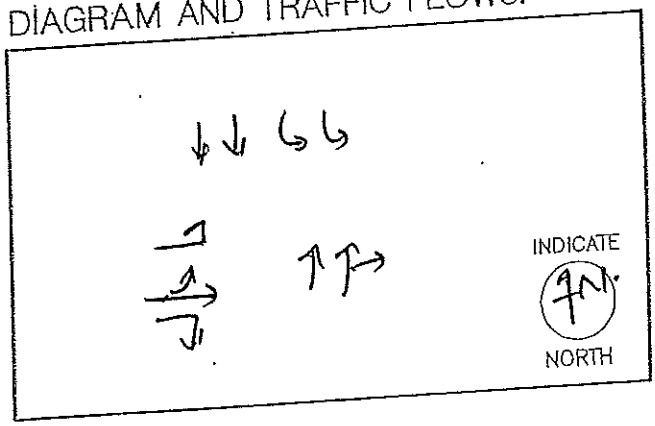
INTERSECTION SR 56 Ramps / Carmel Creek Road.

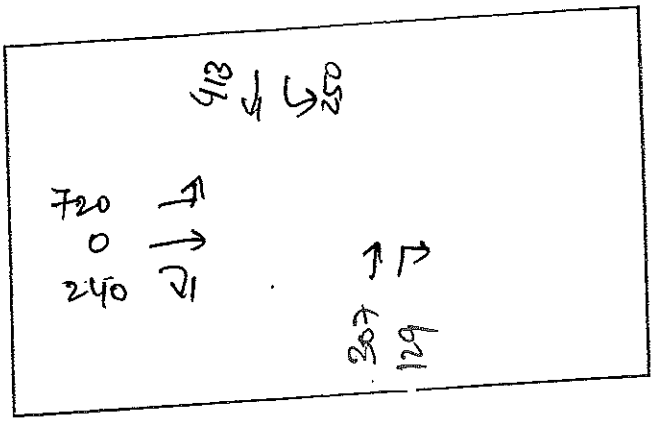
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

TIME 2:30 AM PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360 ↑ 360 → 240 ↓1	125 ↓ 125 ↓ 125 ↳ 35 ↳	154 ↓ 156 ↓ ↑ ↱ 154 282	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360	125	282	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
767

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

No EB Slip + with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

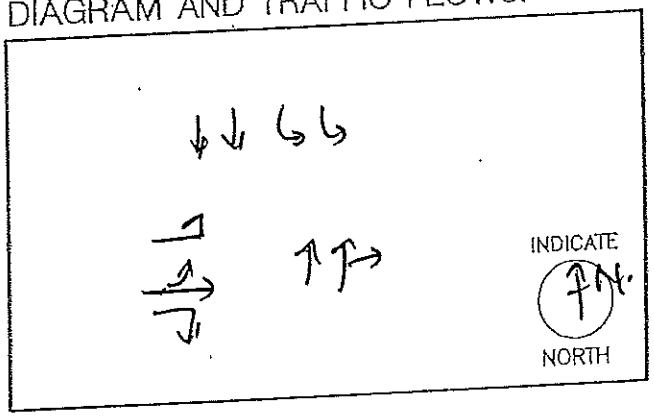
INTERSECTION SR 56 EB Ramps / Carmel Creek Road

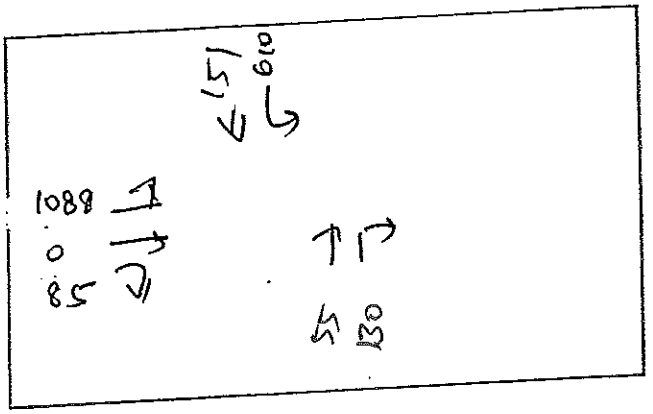
DIST. CO. RTE. P.M. 11 / SD 56

BY VS DATE

TIME 2030 AM/PM PM Run 7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544 544 85	35 35 305 305	28 157	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544	305	157	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1006

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

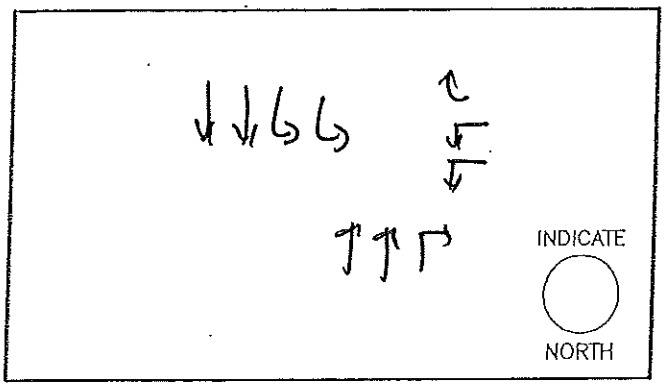
INTERSECTION Carmel Country Road / SR56 WB Ramps

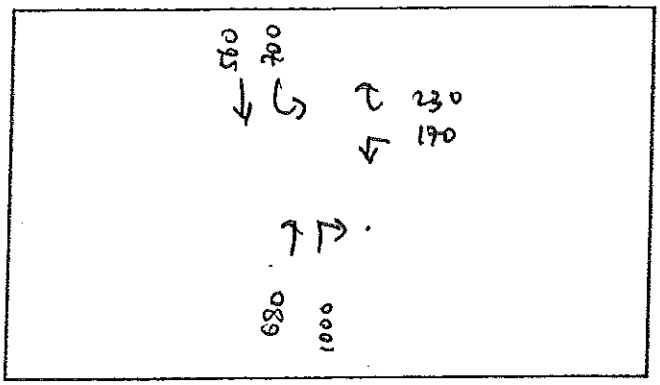
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

TIME 2030 AM PM Ramps

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 85 85 230	280 280 350 350	240 340 430	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230	350	770	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1350

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

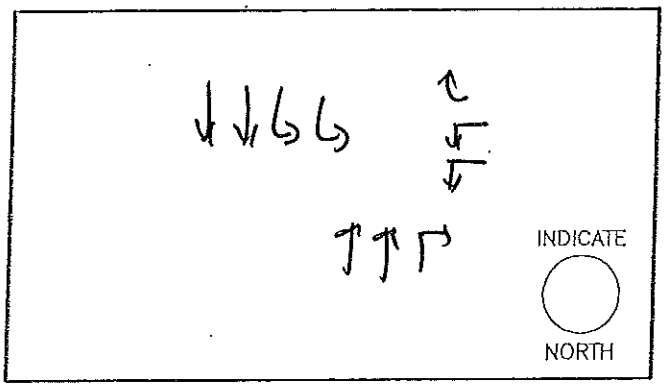
INTERSECTION Carmel Country Road / SR56 WB Ramps

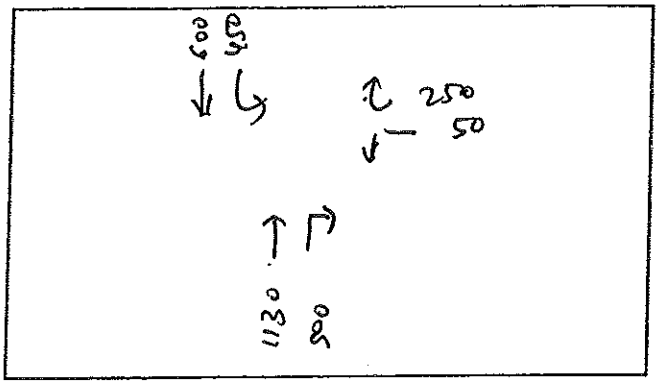
DIST. CO. RTE. P.M. 11/SR56

BY VS DATE

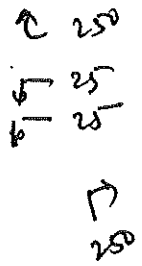
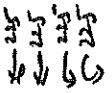
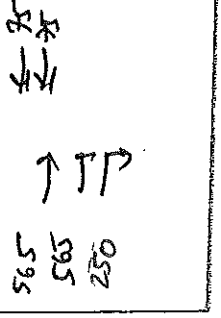
TIME 2020 AM (PM) Rum 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250	225	565	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1040

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

No EB Slip ramp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

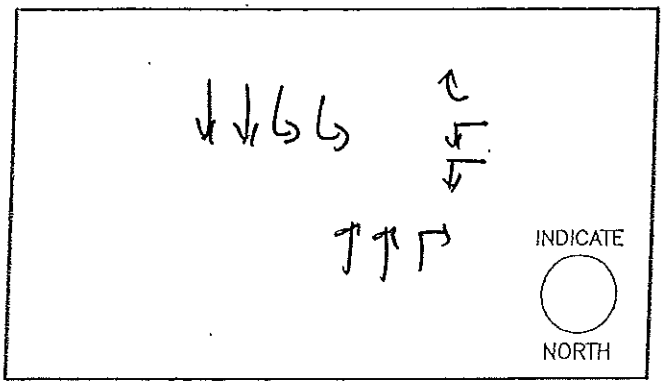
INTERSECTION Carmel Country Road / SR56 WB Ramps

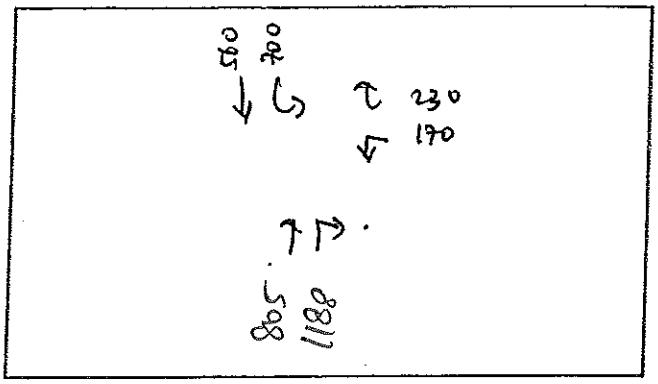
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2030 AM PM Ramps

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 85 85 230	280 280 350 350	903 903 958	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230	350	958	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1538

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

No EB slip ramp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

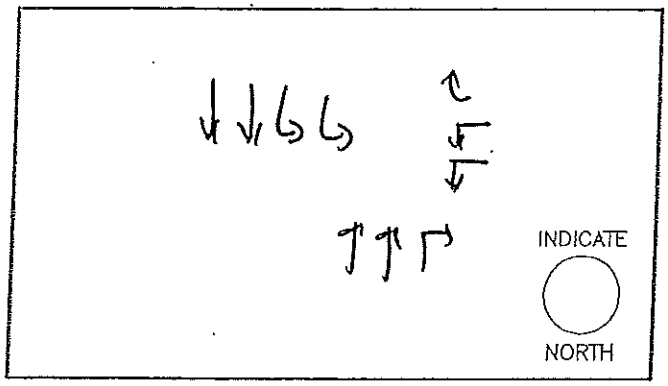
INTERSECTION Carmel Country Road / SR56 WB Ramps

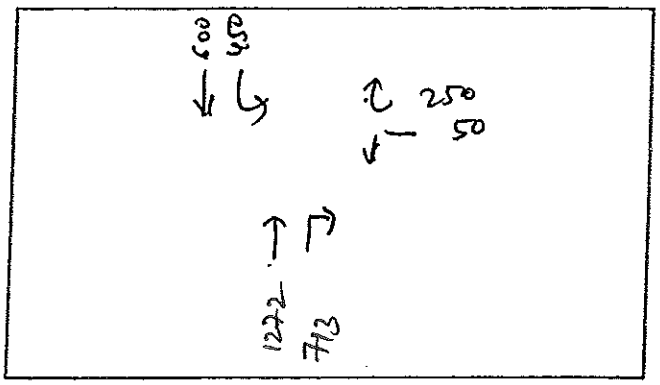
DIST. CO. RTE. P.M. 11/SR56

BY LL DATE

TIME 2030 AM (PM) Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250 25 25 250	225 225 225 66	636 636 463	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250	225	636	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1111

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

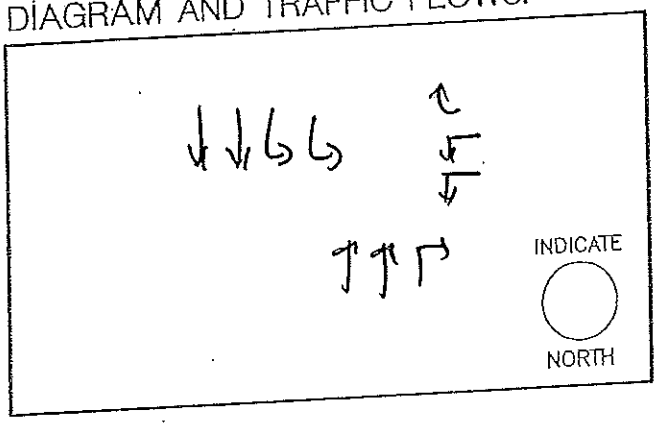
INTERSECTION Carmel Country Road / SR56 WB Ramps

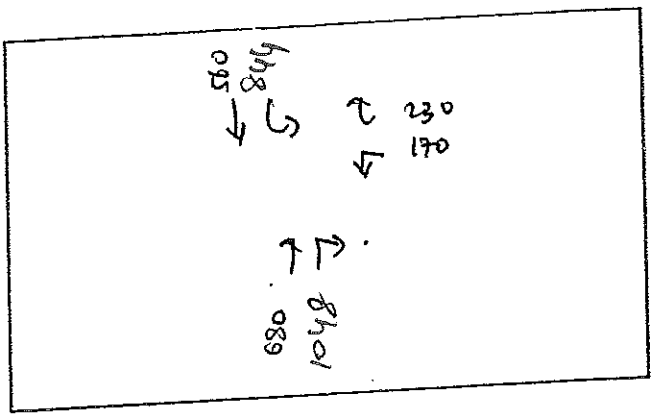
DIST. CO. RTE P.M. 11/SR56

BY VS DATE

TIME 2030 AM PM Ramps

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 85 85 230	280 280 422 422	340 340 818	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230	422	818	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1470

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity.

With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

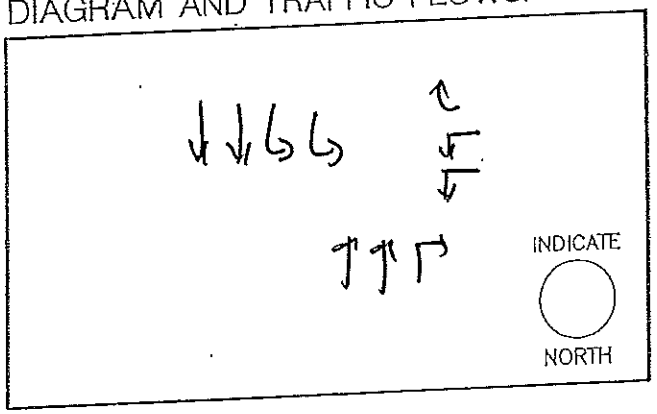
INTERSECTION Carmel Country Road / SR56 WB Ramps

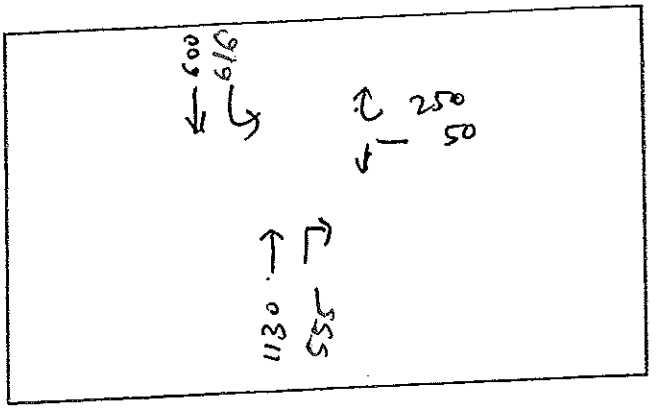
DIST. CO. RTE. P.M. 11/SR56

BY VE DATE

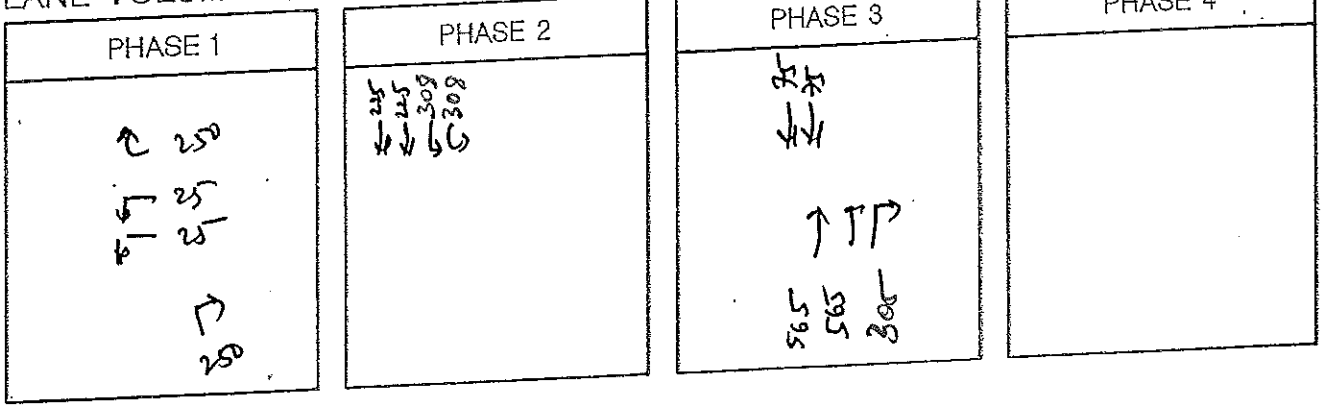
TIME 2030 AM (PM) Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250	308	365	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
923

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

No EB slip + with Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

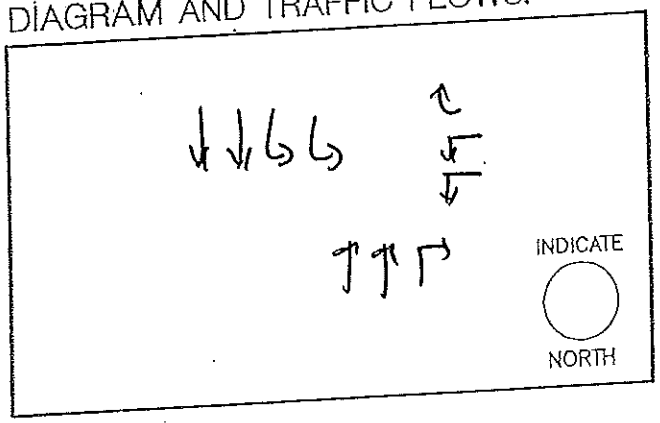
INTERSECTION Carmel Country Road / SR56 WB Ramps

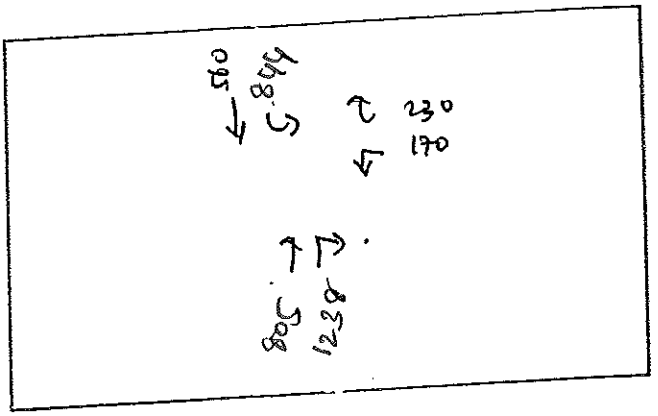
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2030 AM PM Run 9

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 85 85 230	280 280 423 422	402 308 800	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230	423	1008	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1661

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

No EB Slip + With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

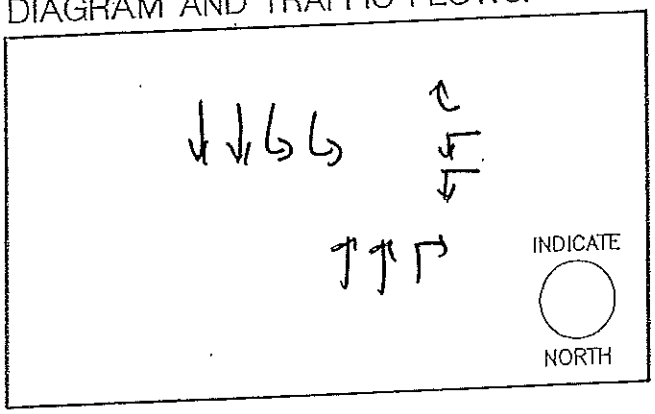
INTERSECTION Carmel Country Road / SR56 WB Ramps

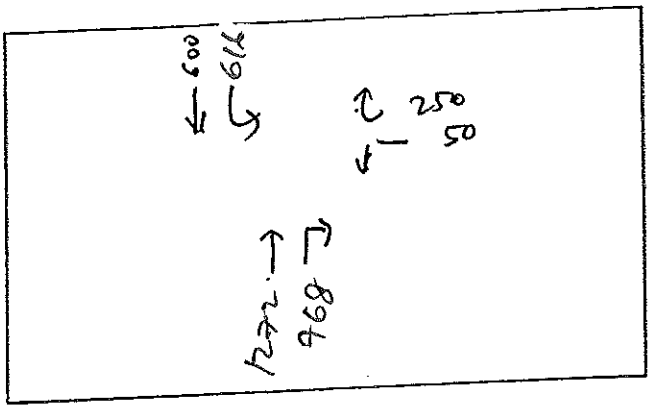
DIST. CO. RTE. P.M. 11/SR56

BY VL DATE

TIME 2030 AM (PM) Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250 25 25 250	25 25 308 308	25 25 636 636 578	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250	308	636	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1194

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

No EB slip + with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

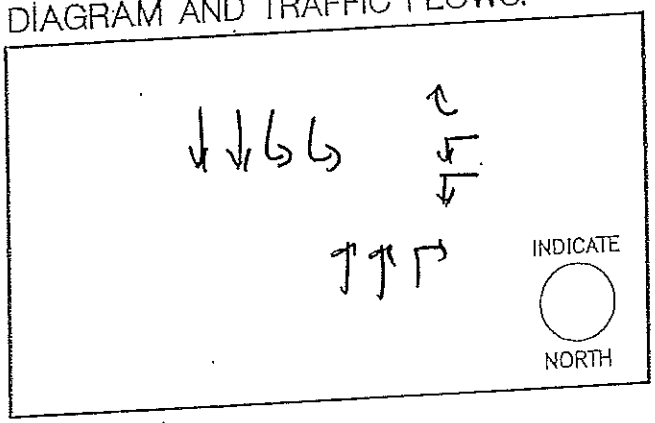
INTERSECTION Carmel Country Road / SR56 WB Ramps

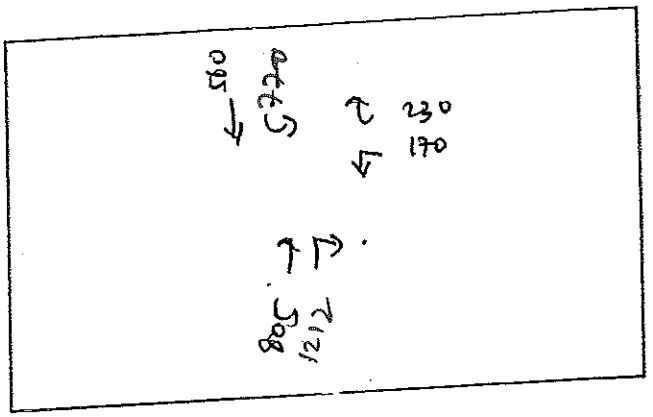
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2030 AM PM Rem'g

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 85 85 230	280 280 385 385	402 408 282	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230	385	982	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1597

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

No EB Slip + With WB C→D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

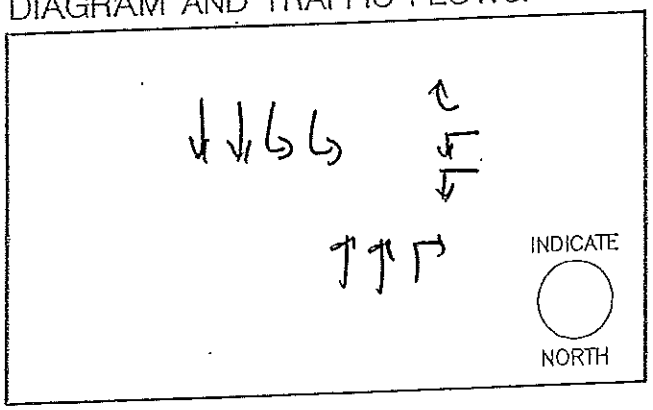
INTERSECTION Carmel Country Road / SR56 WB Ramps

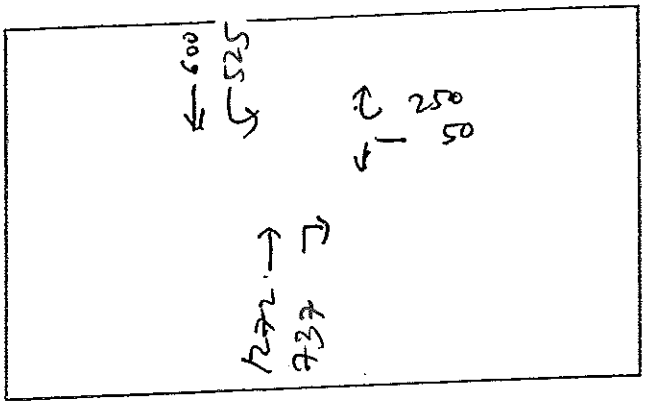
DIST. CO. RTE. P.M. 11/SR56

BY VE DATE

TIME 2030 AM (PM) Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250 25 25 250	25 225 262 263	25 25 636 636 637	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250	263	636	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1149

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

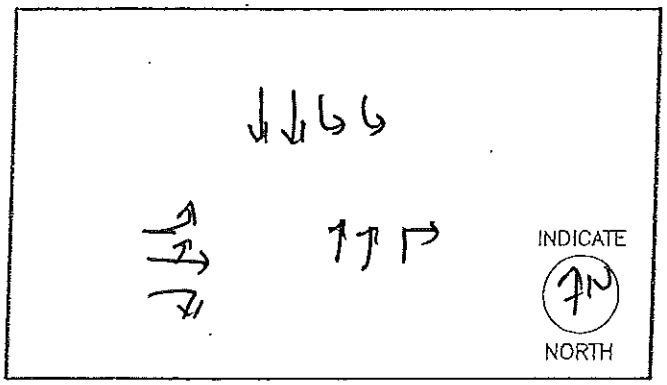
INTERSECTION SR56 EB Ramps / Carmel Country Road

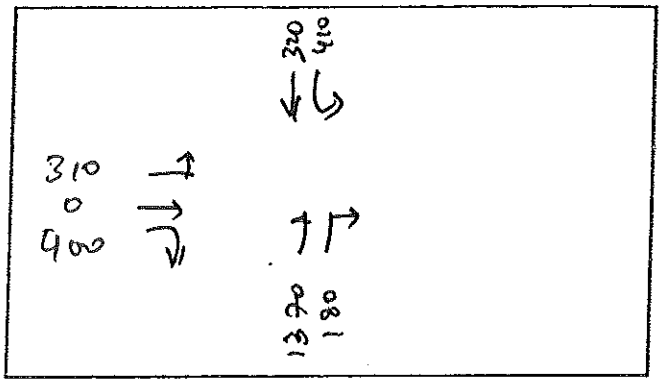
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2030 (AM) PM Rm 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
155 ↑ 155 → 400 ↓	116 116 205 203 ↓ ↓ ↓ ↓	↑ ↑ ↱ 685 685 180	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400	205	685	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1290

- ☒ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

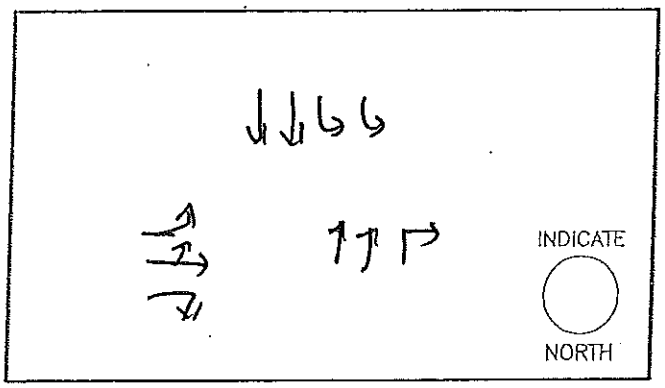
INTERSECTION SR56 EB Ramps / Carmel Country Road

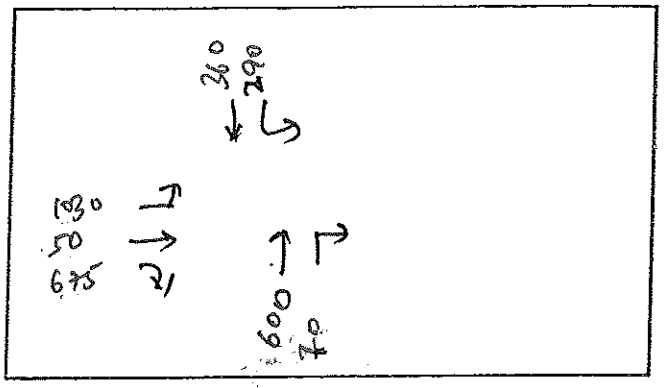
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2030 AM/PM Run 7

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
515 ↑ 565 ↑ 675 ↓	145 145 145 145	35 35 300 300 70	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
675	145	300	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1120

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

No EB diprampp.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

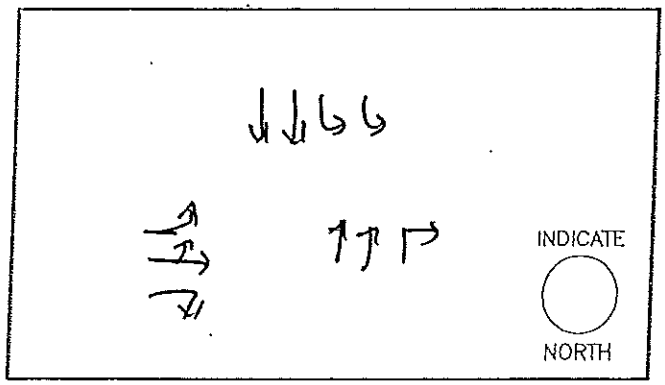
INTERSECTION SR56 EB Ramps / Carmel Country Road

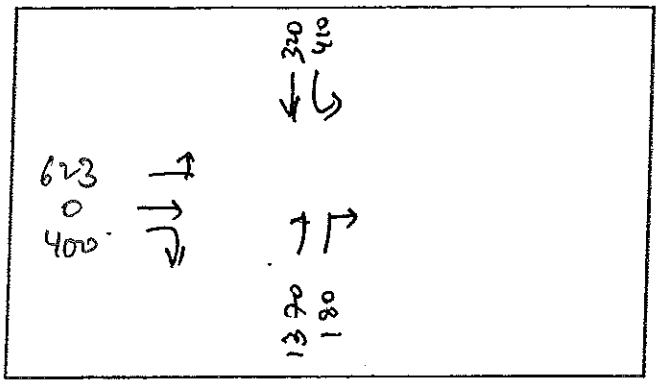
DIST. CO. RTE. P.M. 11/SR56

BY US DATE

TIME 2030 AM PM Rm G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
312 311 400	160 160 205 205	685 685 180	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400	205	685	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1290

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

No EB Slip ramp

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

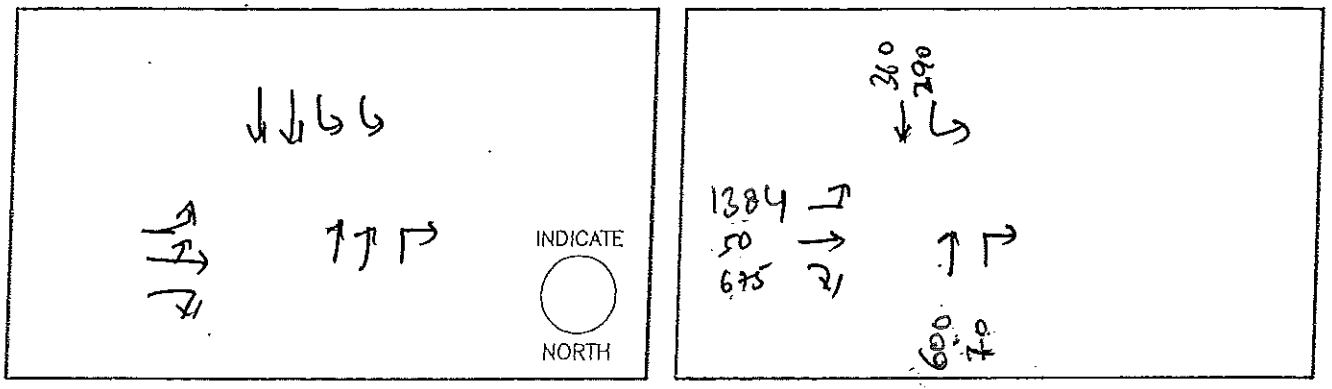
INTERSECTION SR56 EB Ramps / Carmel Country Road

DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2030 AM/PM Rev 67

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
692 742 675	145 145 145 145	35 35 300 300 70	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
742	145	300	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1187

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

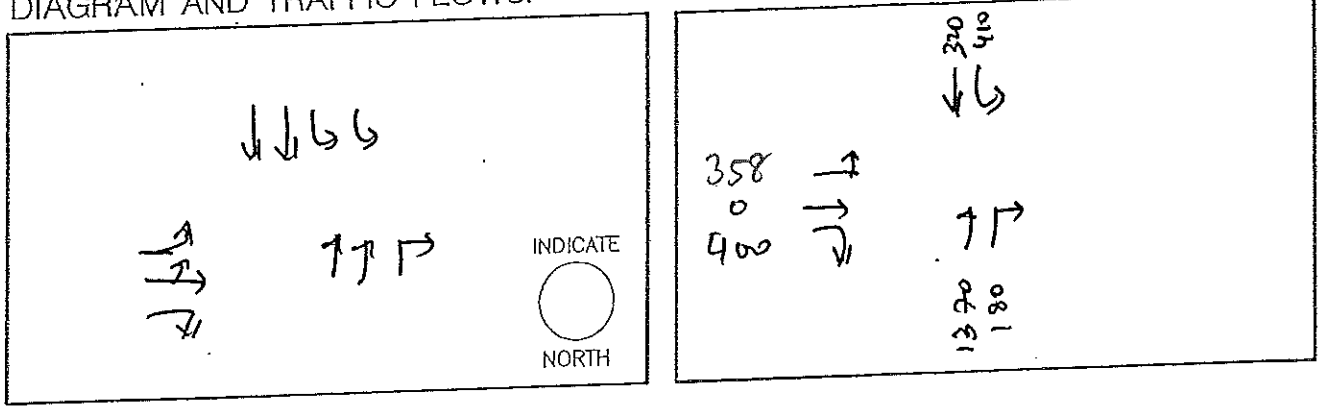
INTERSECTION SR56 EB Ramps / Carmel Country Road

DIST. CO. RTE. P.M. 11/SR56

BY US DATE

TIME 2030 AM PM Rm G

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
179 ↑ 179 ↗ 400 ↘	160 160 205 205	685 685 180	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400	205	685	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1290

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

With WB Barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

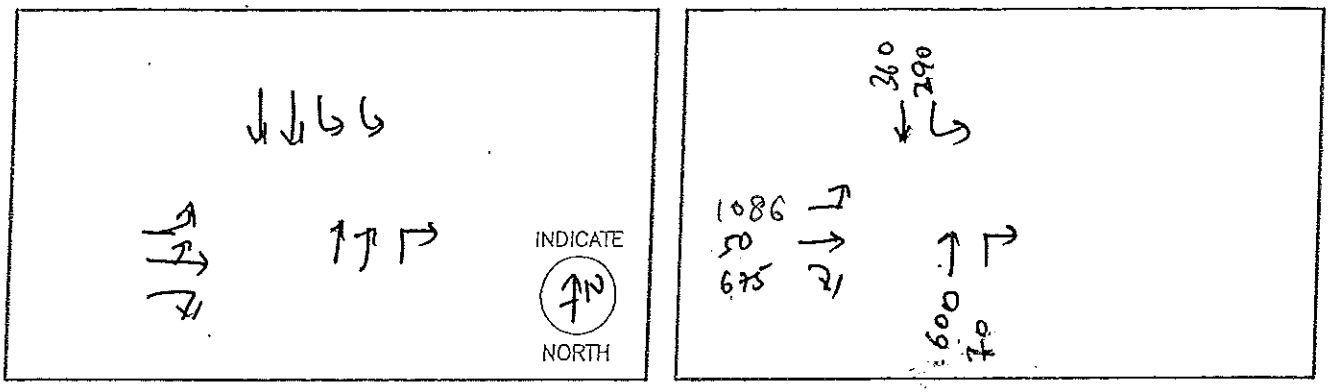
INTERSECTION SR56 EB Ramps / Carmel Country Road

DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2030 AM/PM Run 7

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
543 ↑ 593 ↗ 675 ↘	145 ↓ 145 ↓ 145 ↳ 145 ↳	35 ↓ 35 ↓ ↑↑↱ 300 300 300	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
675	145	300'	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1120

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

No EB Slip + with WB barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

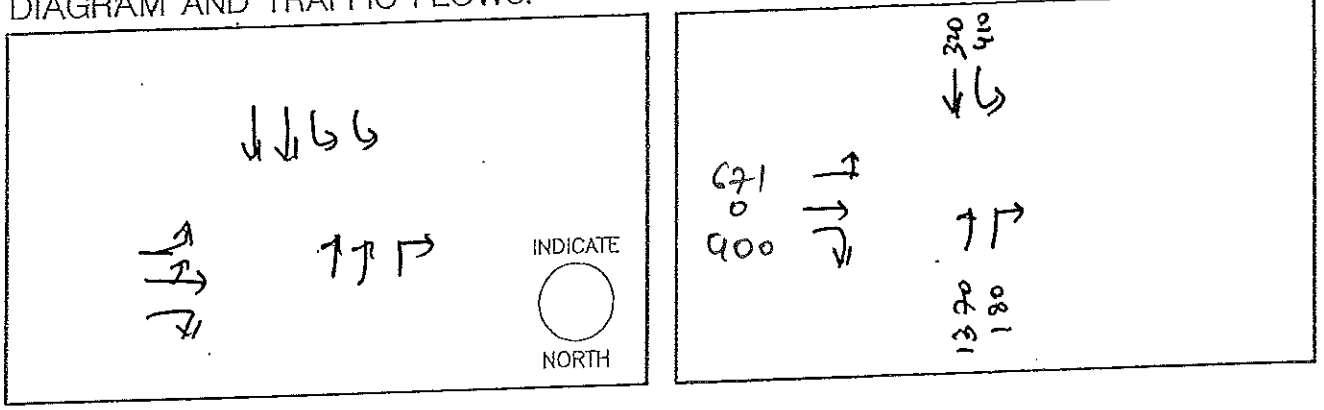
INTERSECTION SR56 EB Ramps / Carmel Country Road

DIST. CO. RTE. P.M. 11/SR56

BY US DATE

TIME 2030 AM PM Rm G

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
335 ↑ 336 ↗ 400 ↘	160 160 205 205	685 685 180	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400	205	685	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1290

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

No EB Slip + With WB barrier

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

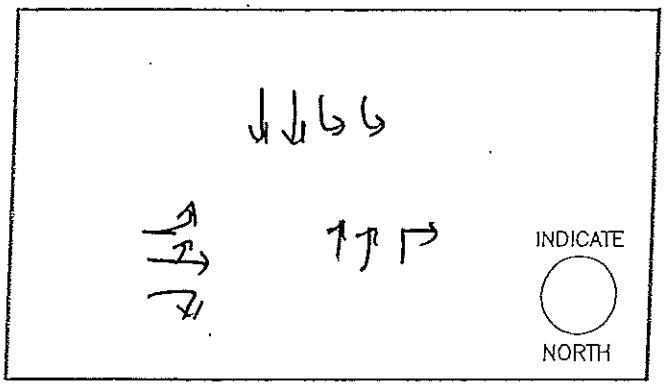
INTERSECTION SR56 EB Ramps / Carmel Country Road

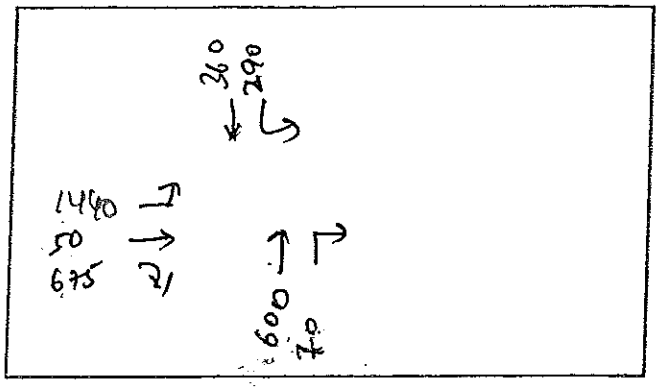
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

TIME 2030 AM/PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
720 770 675	145 145 145 145	25 25 300 300	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
770	145	300	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1215

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

No EB Slip + with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

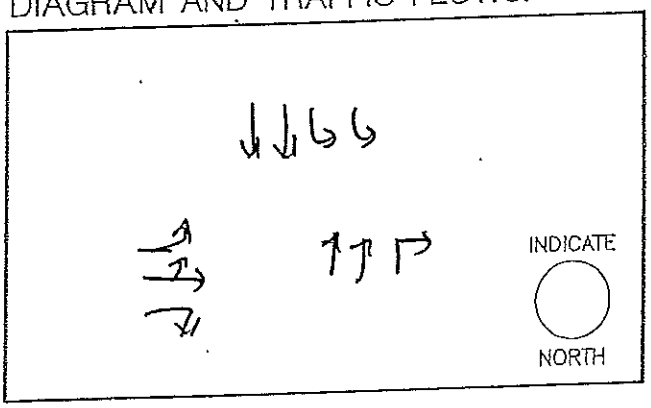
INTERSECTION SR56 EB Ramps / Carmel Country Road

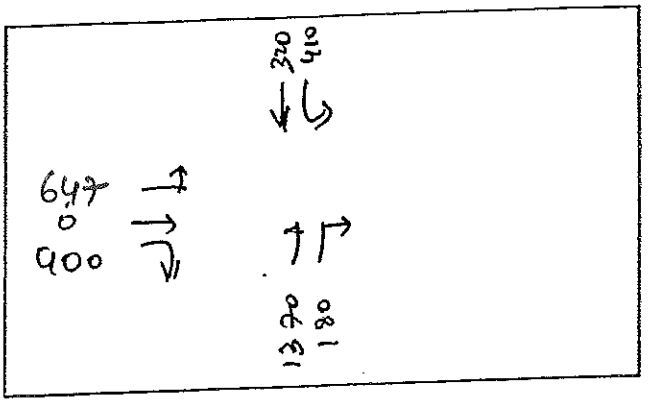
DIST. CO. RTE. P.M. 11/SR56

BY US DATE

TIME 2030 AM PM Rm G

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
324 323 400	460 460 205 205	685 685 180	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400	205	685.	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1290

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

No EB Slip + With WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

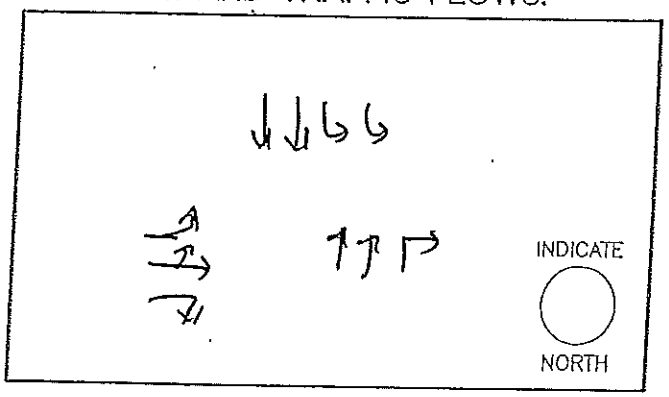
INTERSECTION SR56 EB Ramps / Carmel Country Road

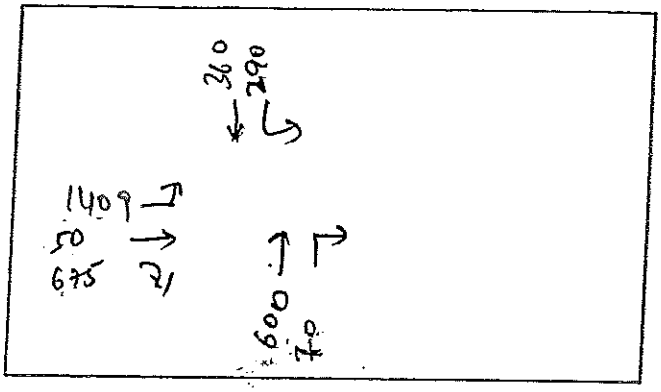
DIST. CO. RTE. P.M. 11 / SR56

BY US DATE

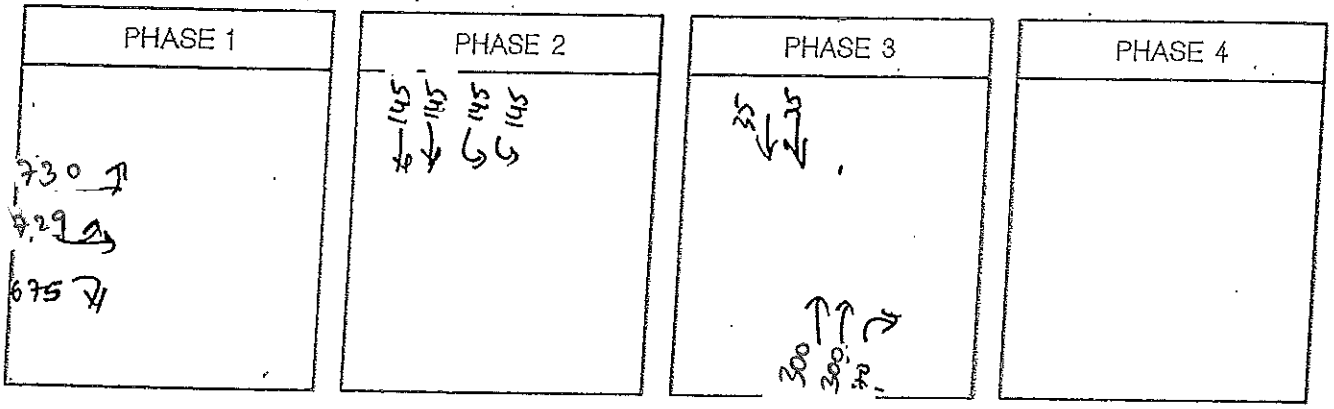
TIME 2030 AM/PM Rev 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
730	145	300	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1175

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

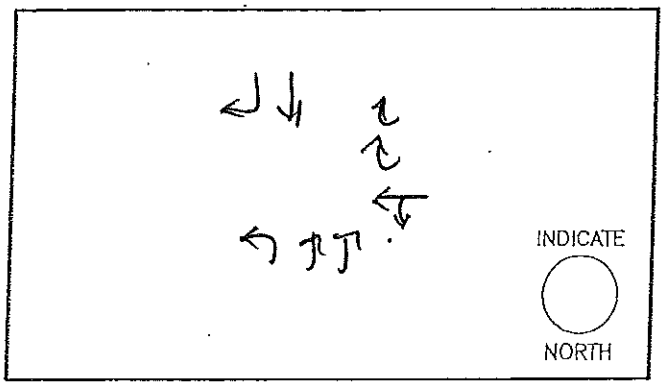
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

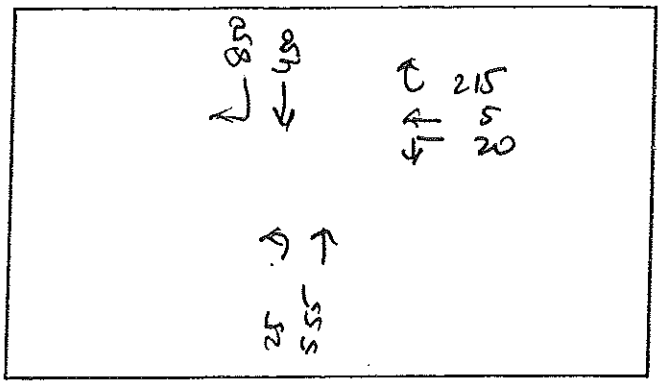
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
107 108 25	25 25 25	85 450 252 253	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
108	25	850	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
983

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

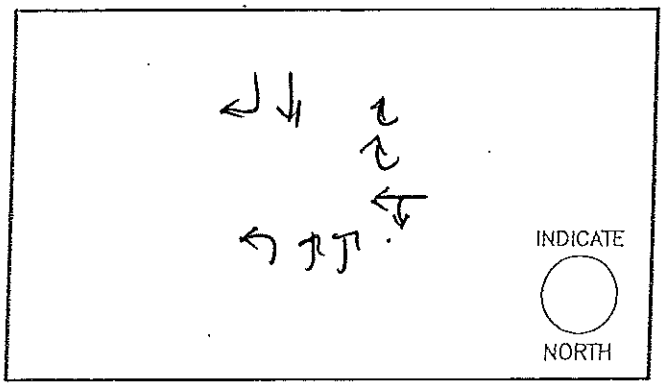
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

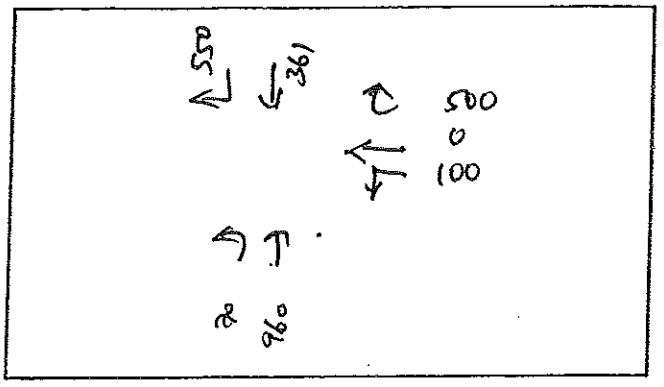
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250 250 100	35 35 35	550 361 445 445	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250	35	550	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
835

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

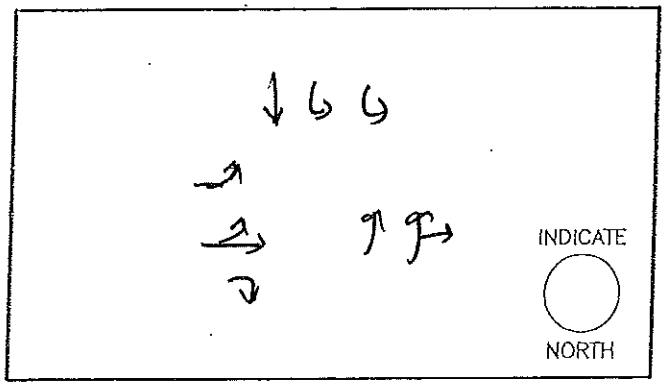
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

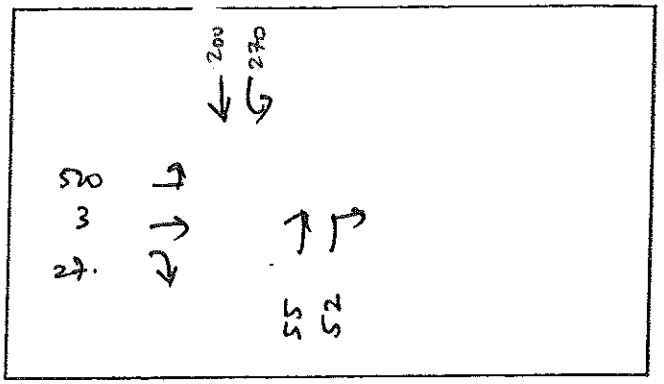
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
260 263 27	135 135 135	65 27 80	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
263	135	80	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
478

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

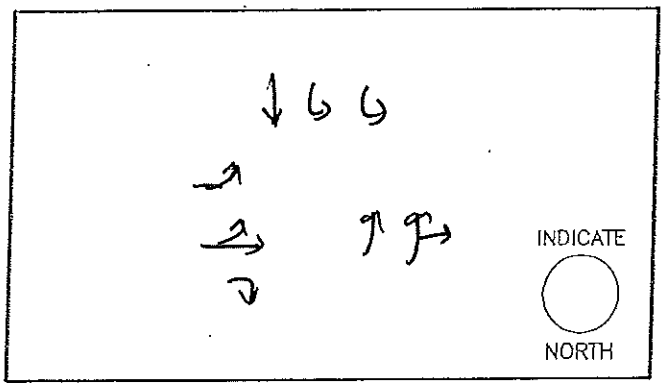
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

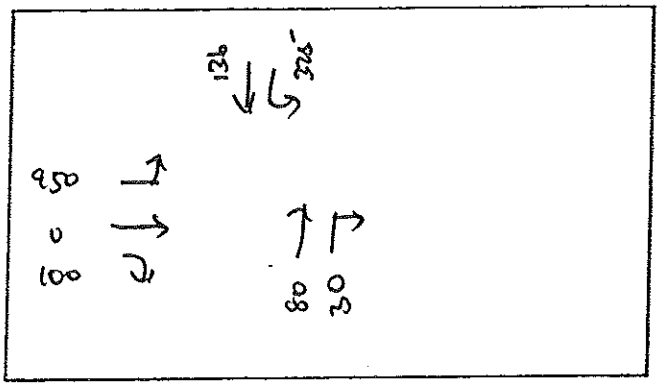
DIST. CO. RTE. P.M. 11/SR 56

BY US DATE

TIME 2030 AM PM Run 9

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
475 / 475 / 100	136 / 163 / 163	30 / 70	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
475	163	70	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
708

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

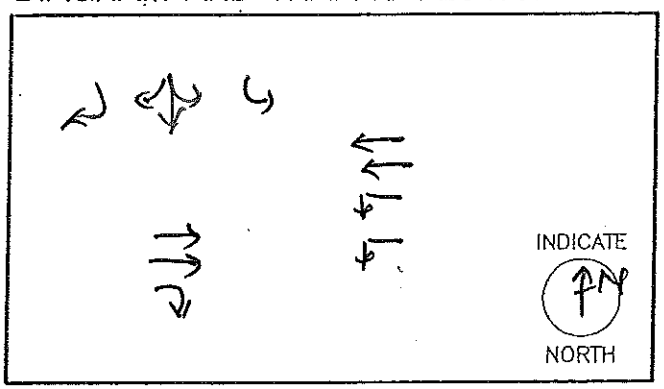
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

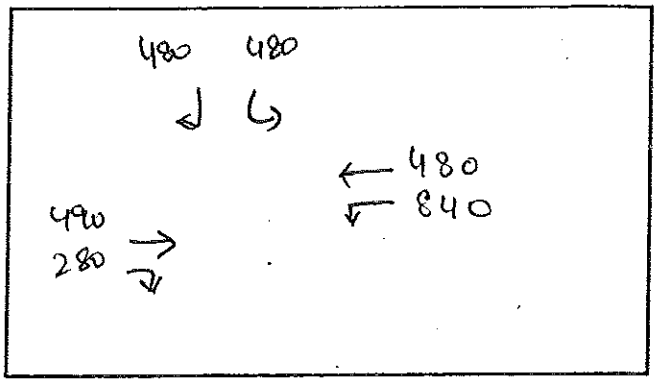
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

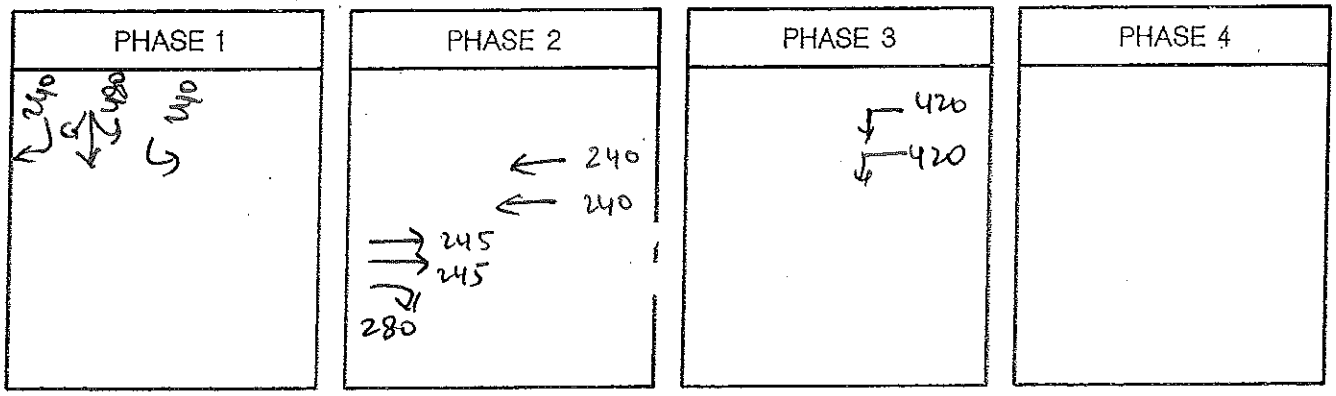
TIME 2030 [AM] PM Run 6

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
480	280	420	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1180

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

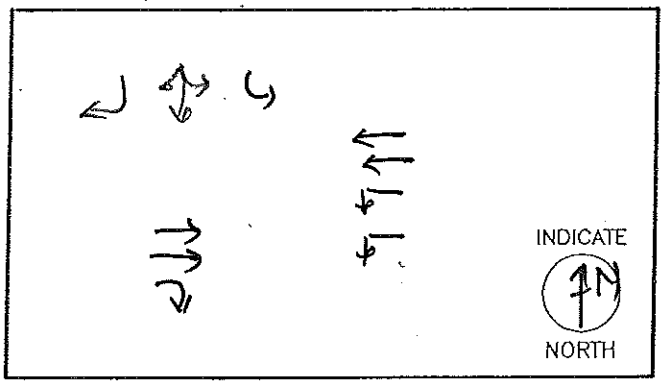
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

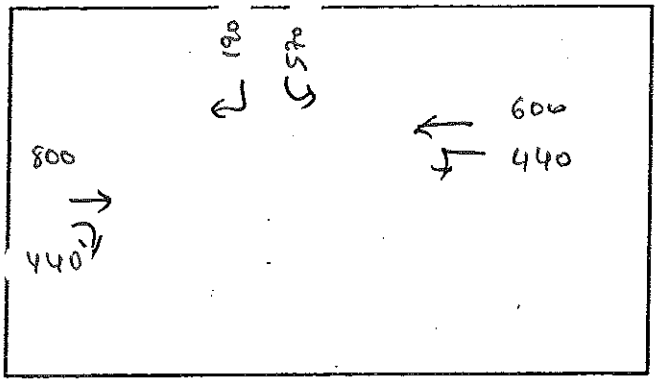
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
95, 380, 285	300, 400, 400, 300, 440	220, 220	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
380	440	220	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1040

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

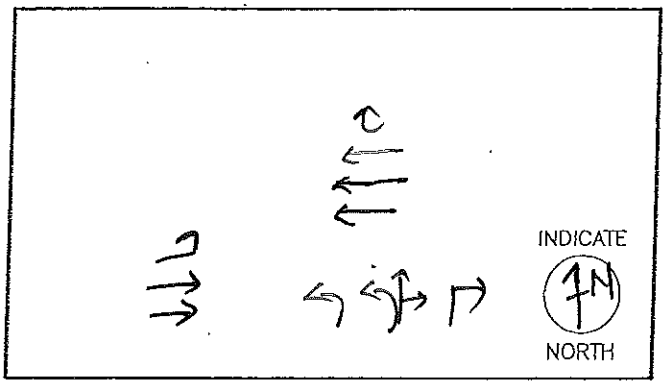
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

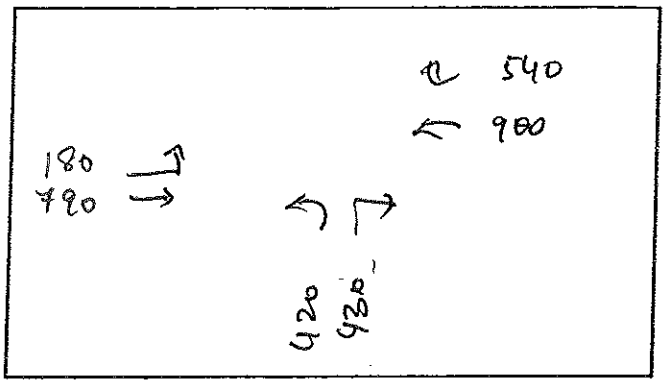
DIST. CO. RTE. P.M. 11 / I-5-5

BY VS DATE

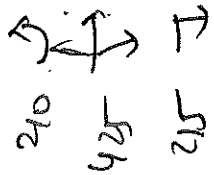
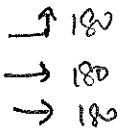
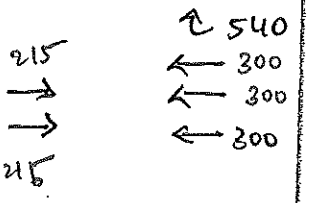
TIME 2030 / AM PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	180	540	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1145

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

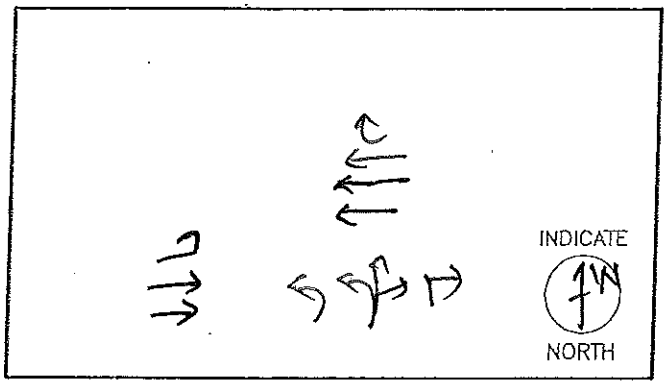
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

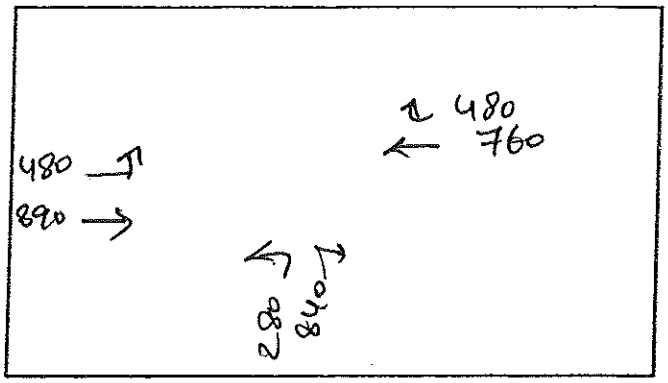
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run 67

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
140 560 428	480 445 445	480 253 253 254	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
560	480	480	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1520

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☑ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

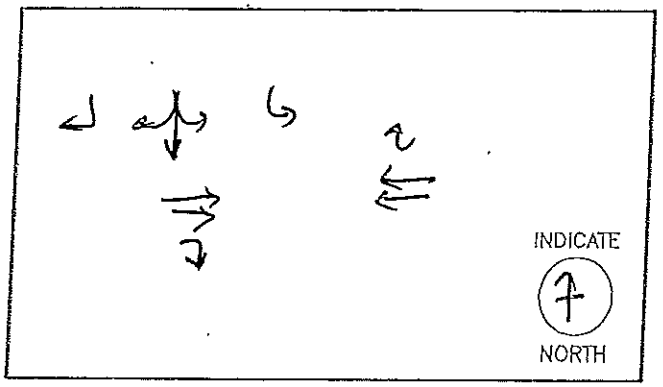
INTERSECTION I-5 SB Ramps / Via de la Valle.

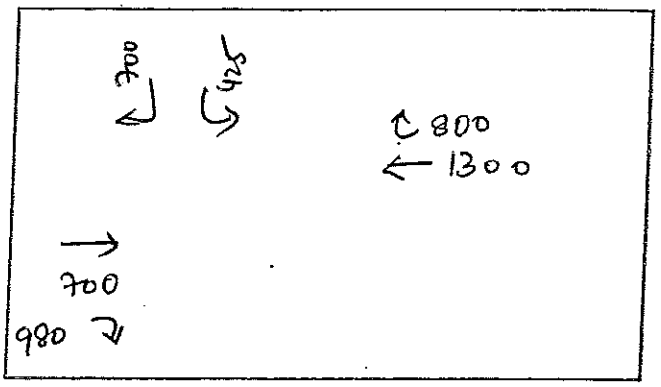
DIST. CO. RTE. P.M. 11 / I-5.

BY VS DATE

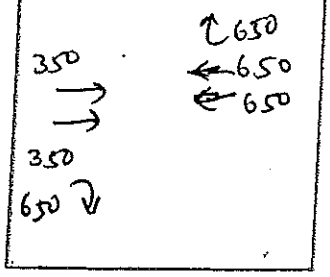
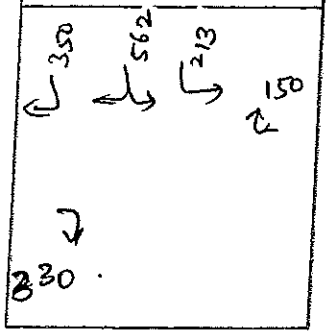
TIME 2030 [AM] PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
650	562		

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1212

IS . . . ☐ : 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

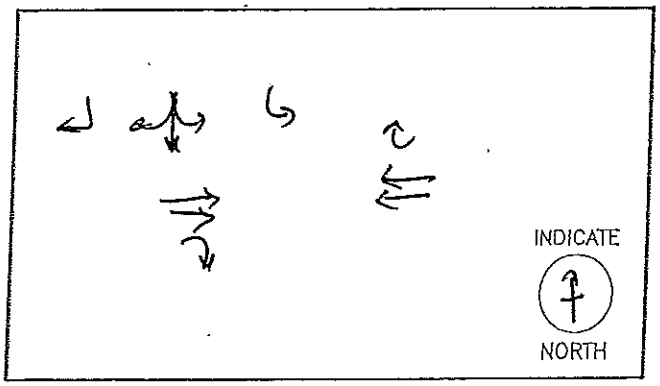
INTERSECTION I-5 SB Ramps / Via de la Valle.

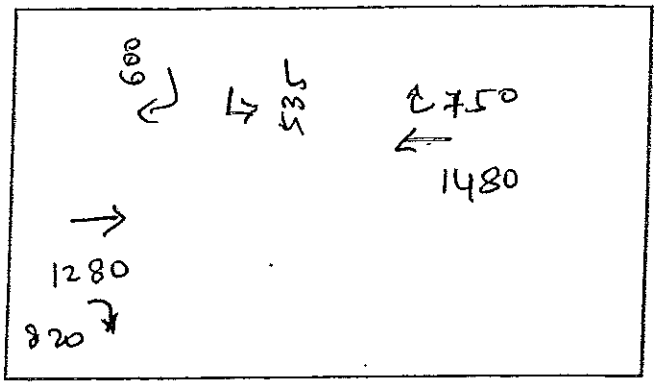
DIST. CO. RTE P.M. 11 / I-5

BY US DATE

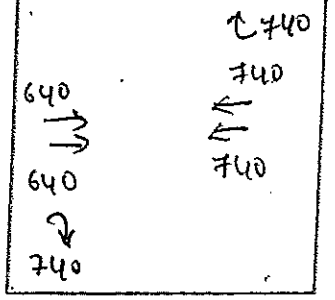
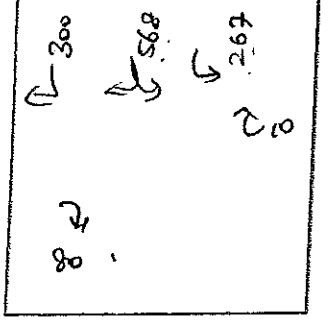
TIME 2030 AM [PM]. Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
740	568		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1308

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

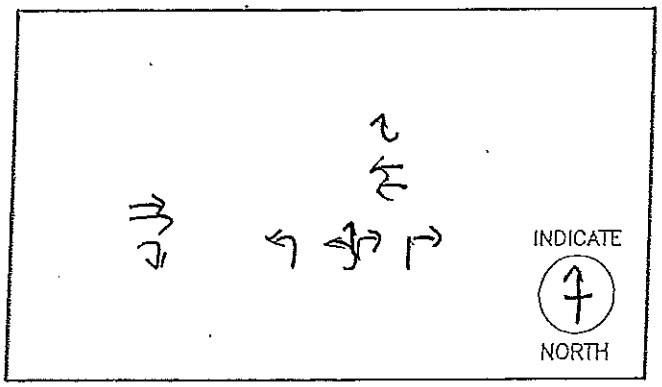
INTERSECTION I-5 NB Ramps / Via de la Valle

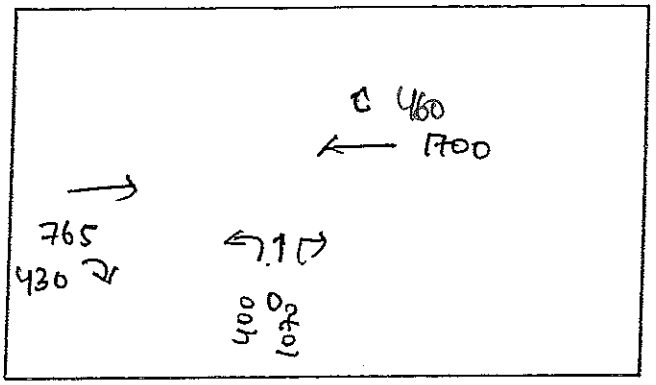
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
460 850 850 382 383 383	47 200 735 535		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
850	735		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1585

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

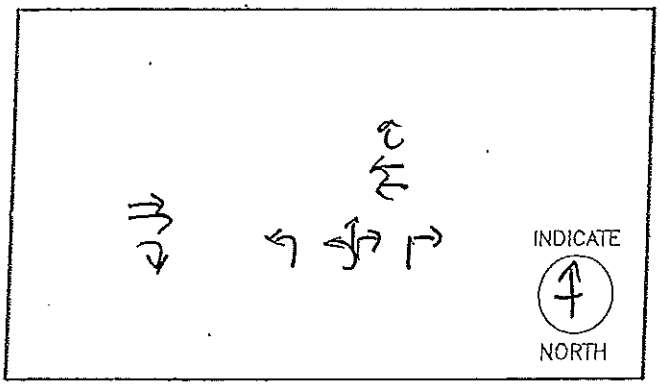
INTERSECTION I-5 NB Ramps / Via de la Valle

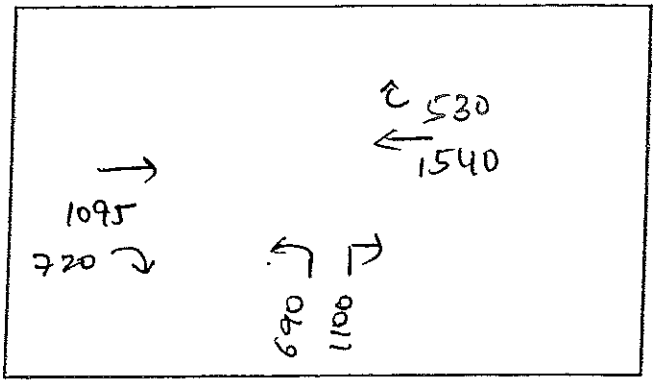
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 PM. Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
530 770 547 548 770 548	172 345 895 550		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
770	895		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1665

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

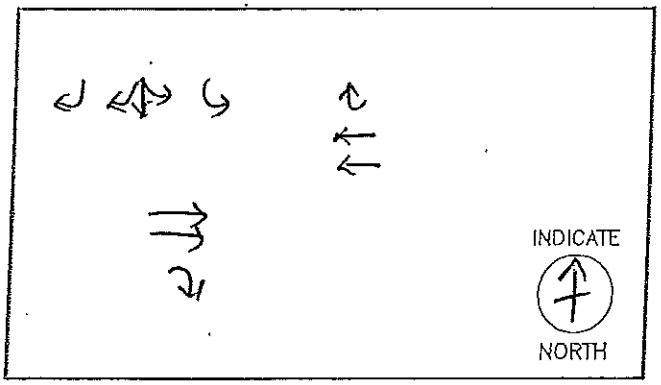
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

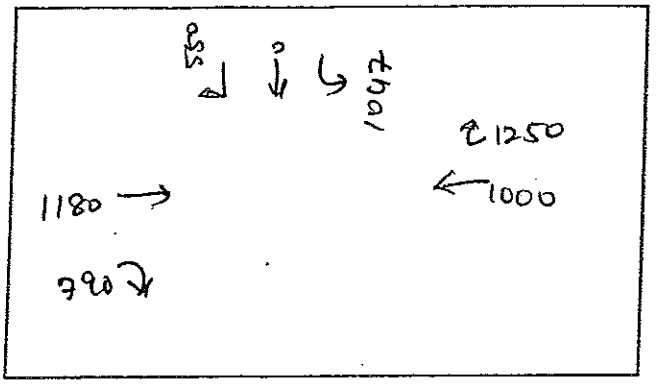
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

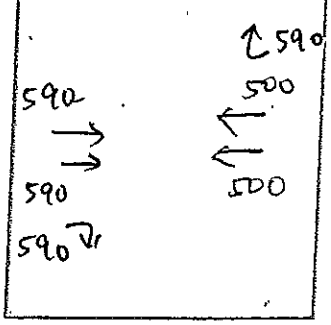
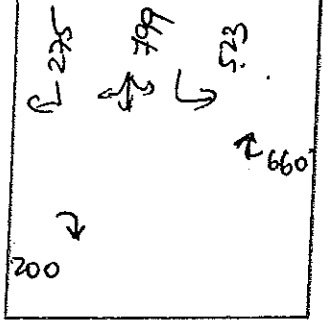
TIME 2030 AM PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
590	799		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1389

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS:

Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

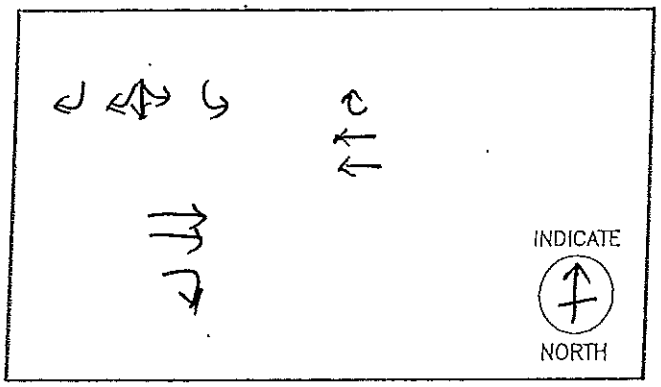
INTERSECTION I-5 SB Ramps / Del Mar Hts Rd

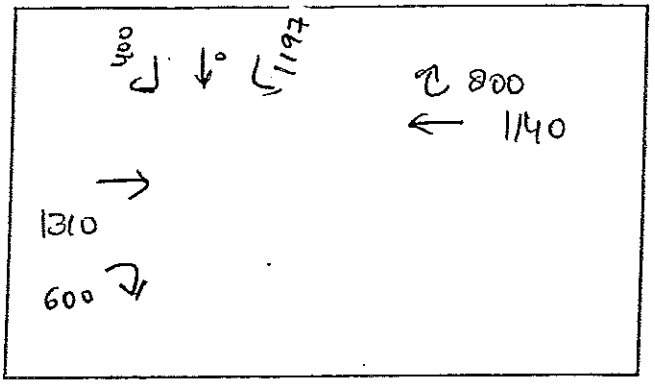
DIST. CO. RTE. P.M. 11 / J-5

BY VS DATE

TIME 2030 AM [PM] Run 4

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
655, 570, 655, 570, 655, 600	200, 799, 598, 145		

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
655	799		

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1454

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

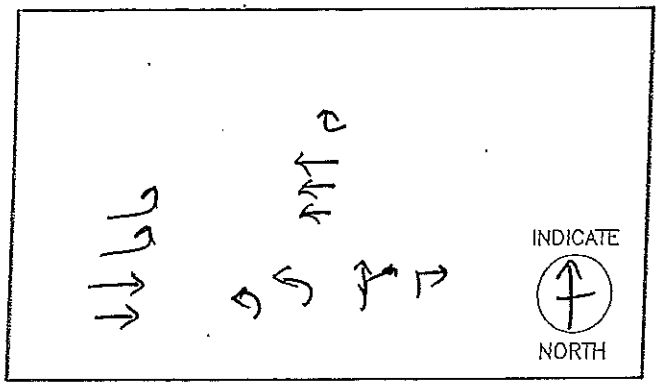
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

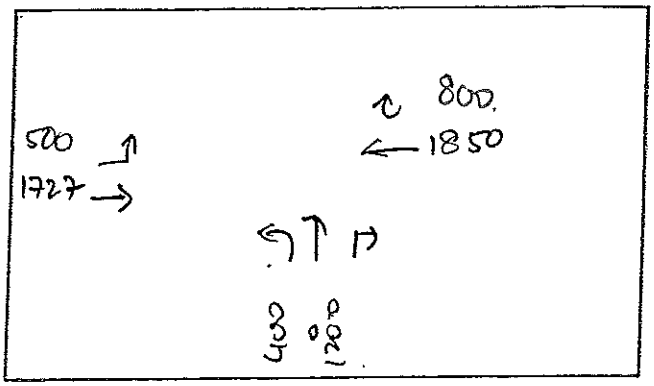
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2030 AM/PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
200 200 600 600	250 250 250 250	800 616 617 617 613 614	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
600	250	800	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1650

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

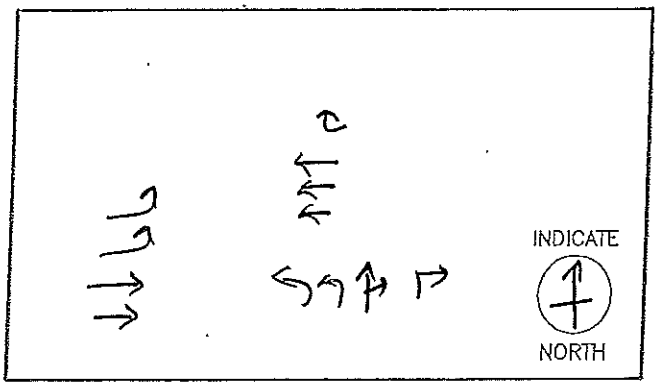
INTERSECTION I-5 NB Ramps / Del Mar Hts/Road

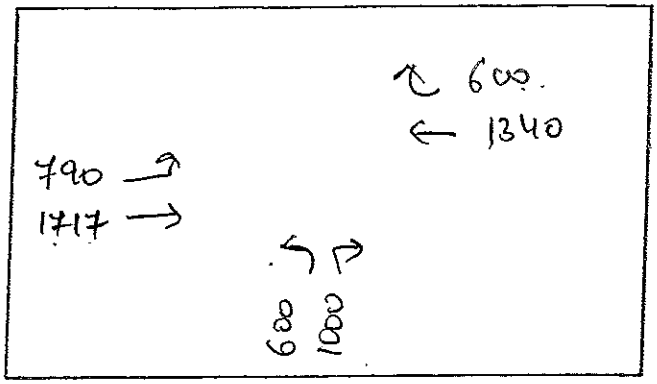
DIST. CO. RTE. P.M. 11/I-5

BY VS DATE

TIME 2030 AM/PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
300 300 95 200	395 395 395 395	600 670 670 463 464	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
300	395	670	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1565

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

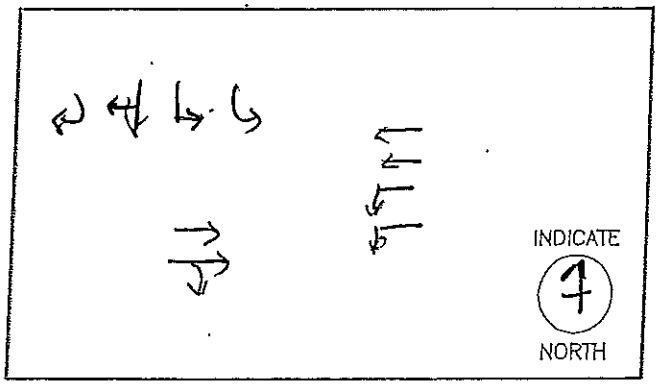
INTERSECTION I-5 SB Ramps / Carmel Valley Road

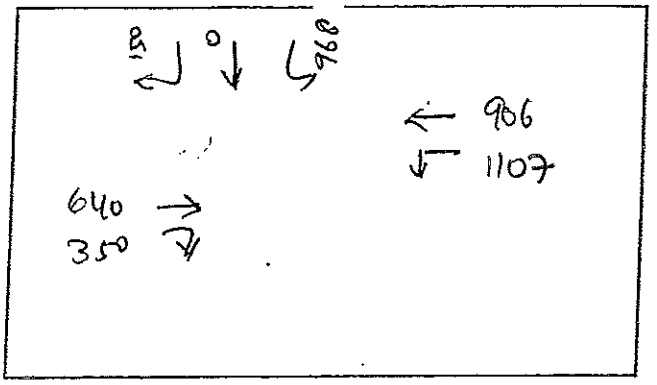
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Run 4

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
75 75 484 484	453 453 554 553	320 670	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
484	554	670	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1708

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

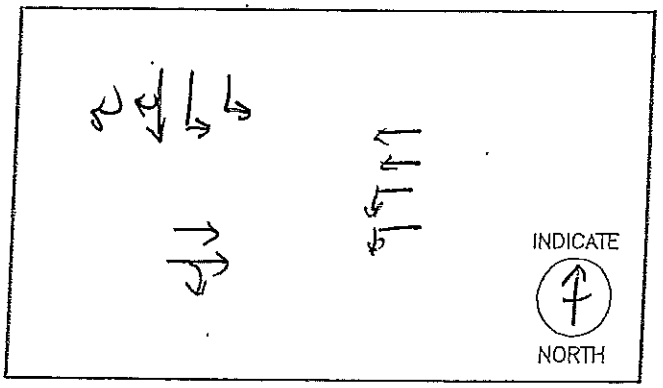
INTERSECTION I-5 SB Ramps / Carmel Valley / Rocat

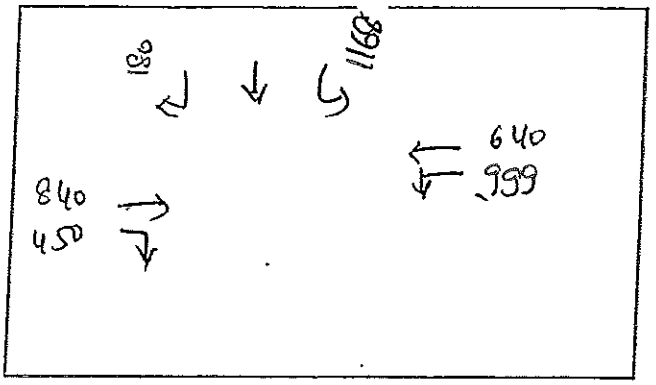
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2020 AM (PM) Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
584 584 584 584	320 320 499 500	420 870	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
584	500	870	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1954

- ☐ < 1200 ILV/HR.
- ▯ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

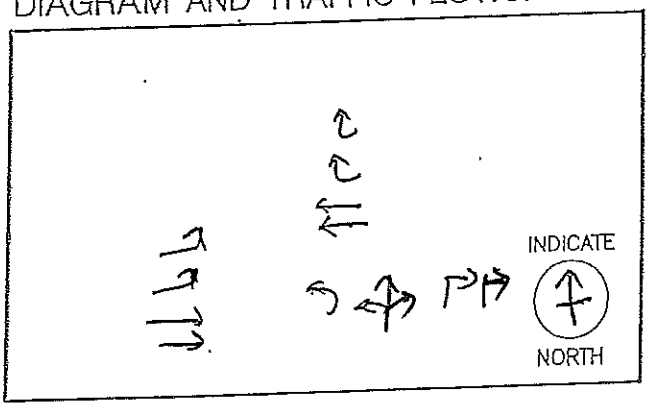
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

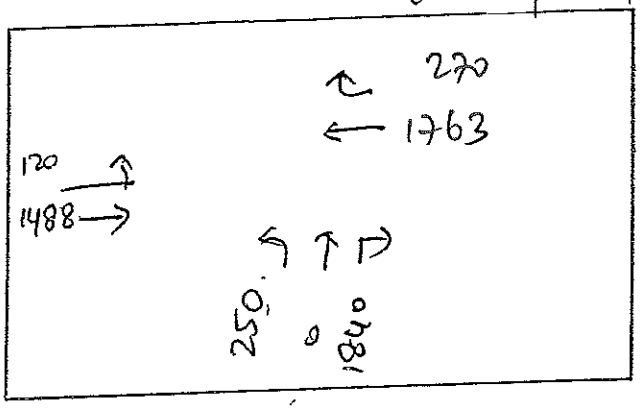
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 [AM] PM Run 4 (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 60 60 60	744 744 135 135 881 882	125 239 613 613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	882	739	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1681

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

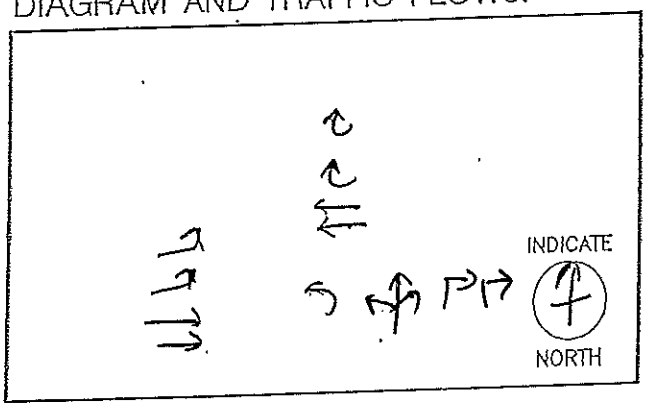
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

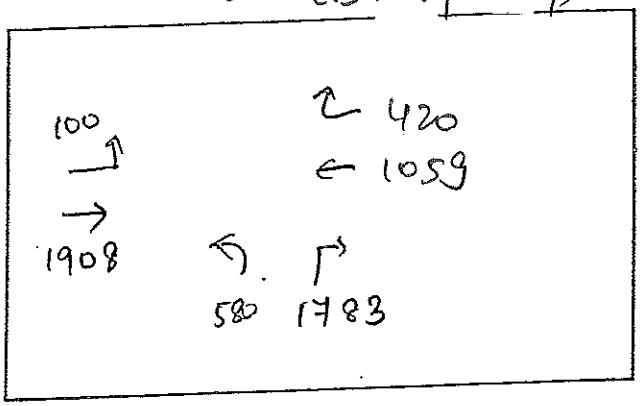
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2030 AM/PM Run H
CPD EB Slip ramp

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50	240 240 530 529 904. 904	223 885 594 594	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	904	885	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1829

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

With WB C-D between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

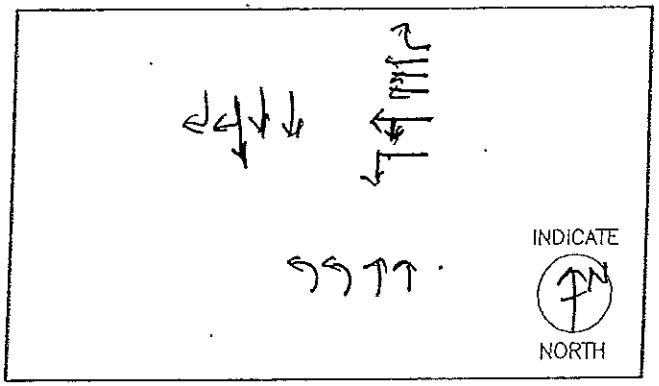
INTERSECTION SR 56 WB Ramps / El Camino Real /

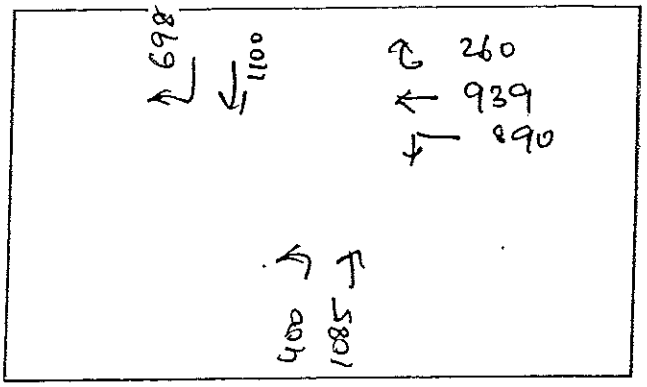
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

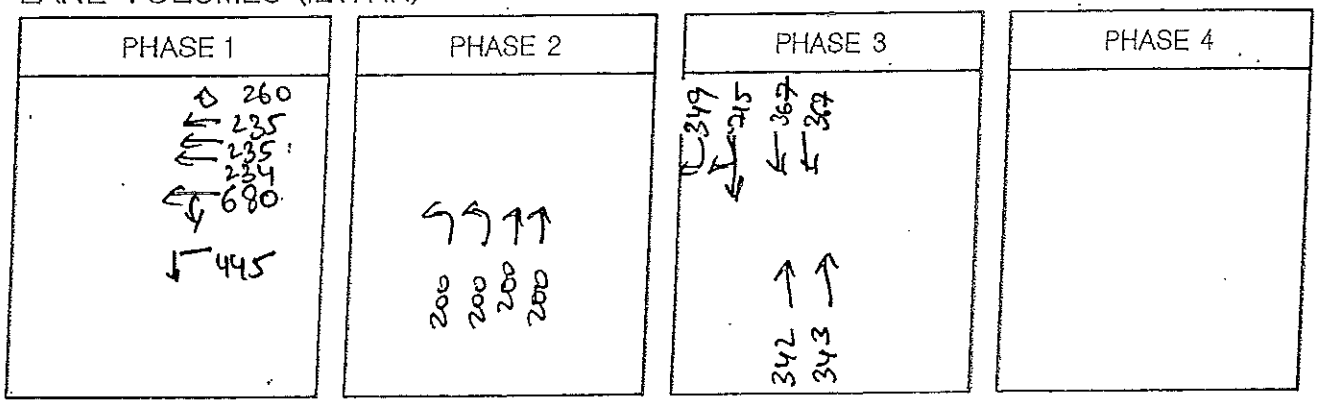
TIME 2030 /AM PM Rev. H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
680	200	715	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1595

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

With WB C-D between Carmel Creek Road and El Camino Real.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

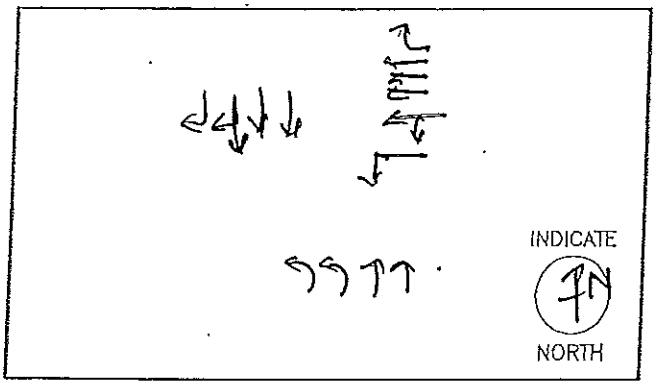
INTERSECTION SR56 WB Ramps / El Camino Real

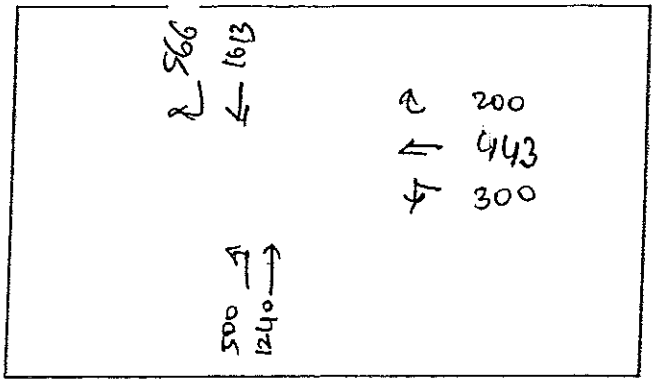
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

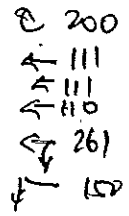
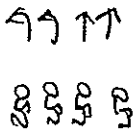
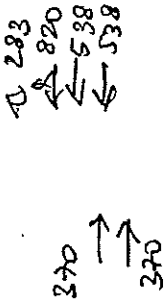
TIME 2020 AM/PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
261	250	820	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1331

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

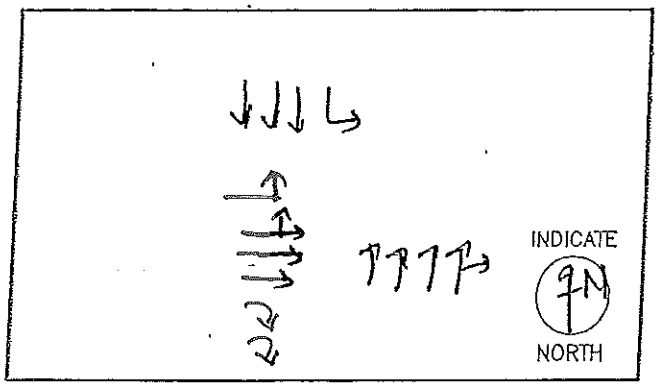
INTERSECTION SR 56 EB Ramps / El Camino Real

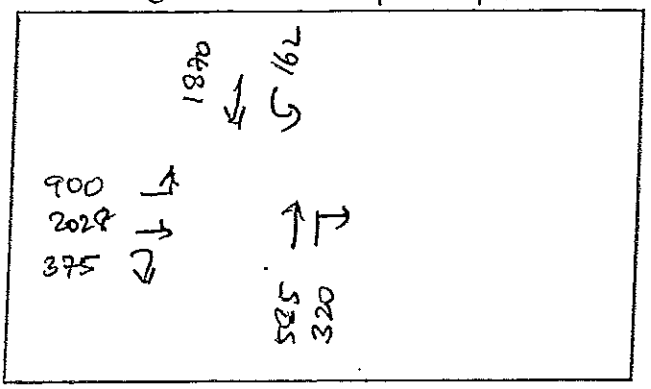
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

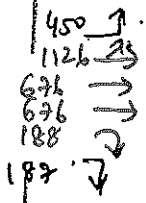
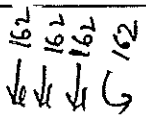
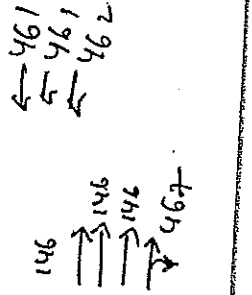
TIME 2030 AM PM Run 4 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
1126	162	467	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1755

- D < 1200 ILV/HR.
- D > 1200 BUT < 1500 ILV/HR.
- ~~D~~ > 1500 ILV/HR (CAPACITY)

REMARKS Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

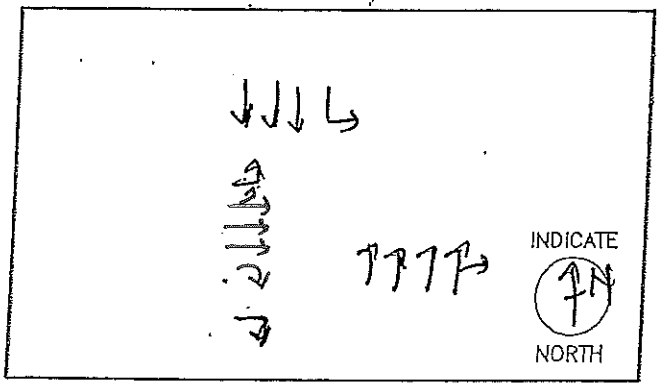
INTERSECTION SR 56 EB Ramps / El Camino Real

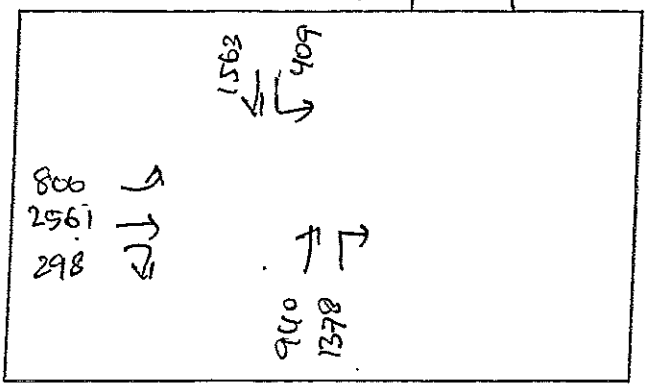
DIST. CO. RTE. P.M. 11 / SR56

BY VG DATE

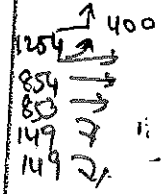
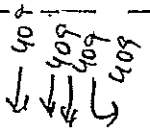
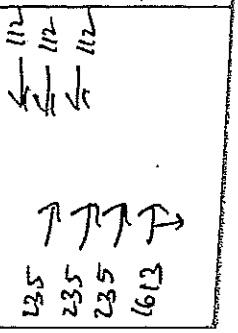
TIME 2030 AM/PM Rem H (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
1254	409	1613	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
3276

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

No EB slip t with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

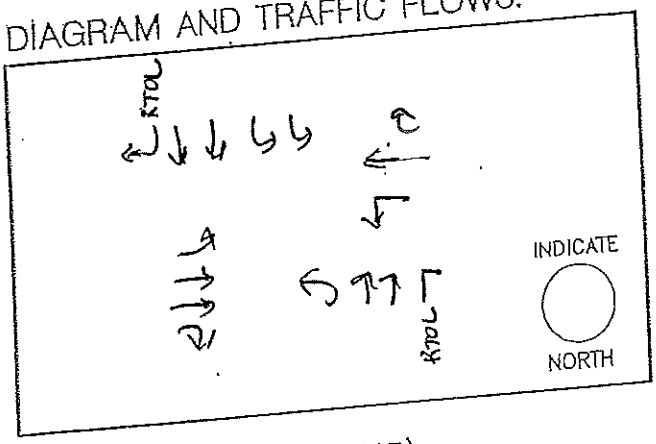
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

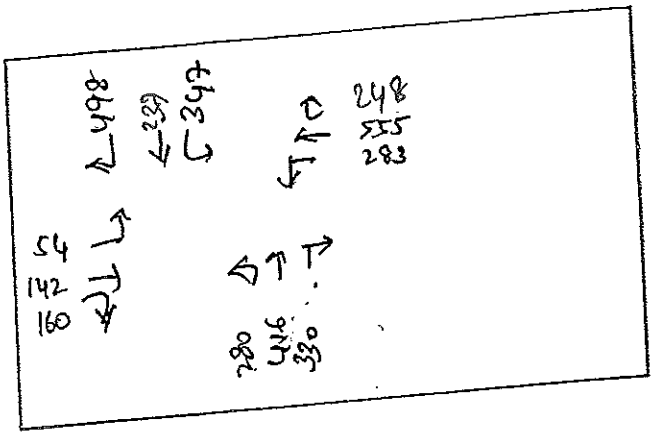
DIST. CO. RTE. P.M. 11 / SR 56

BY US DATE

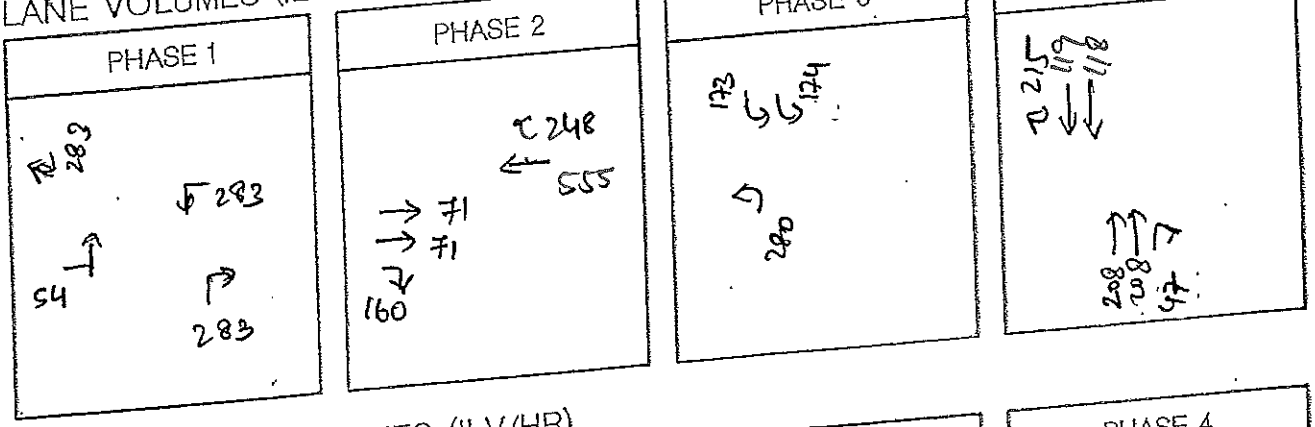
TIME 2030 AM Run 4

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
283	555	280	215

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1333

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near Capacity

No EB Slip + With WB C–D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

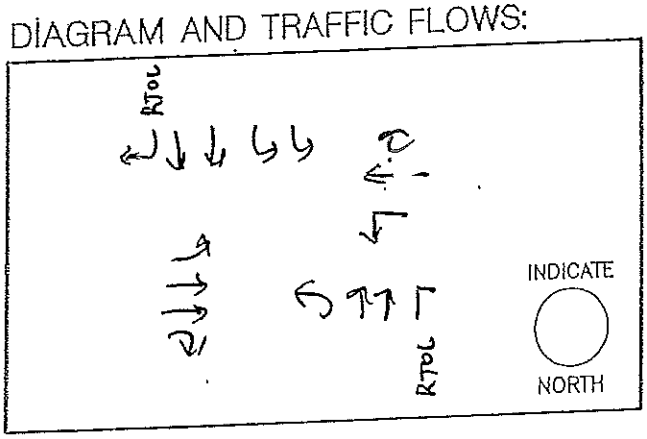
INTERSECTION SR 56 WB Ramps / Carmel Creek Road

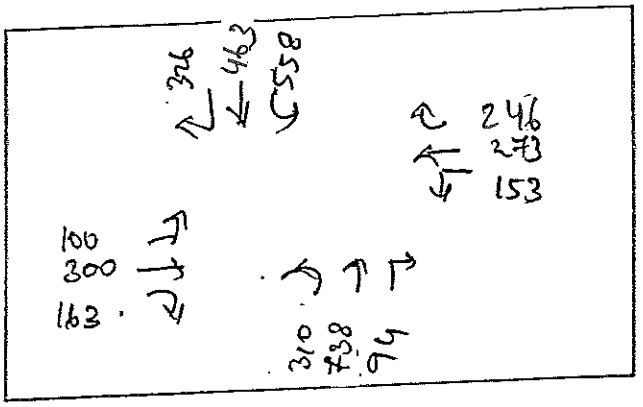
DIST. CO. RTE. P.M. 11 / SR 56

BY LLS DATE

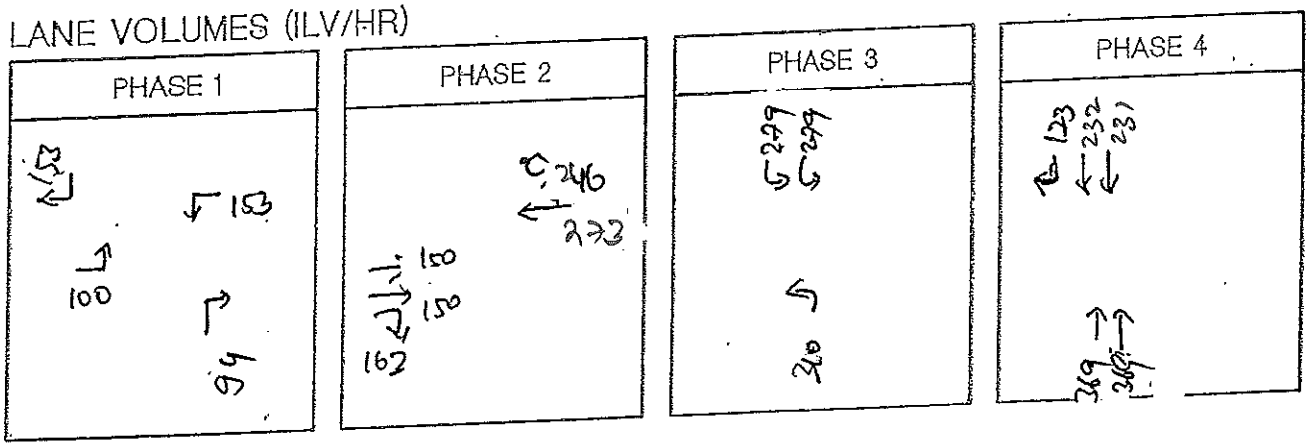
TIME 2080 PM 2030 Rum

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
153	273	279	369

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1074

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

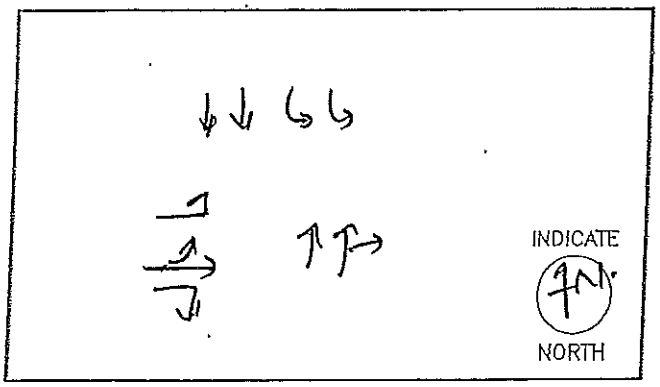
INTERSECTION SR 56 EB Ramps / Carmel Creek Road

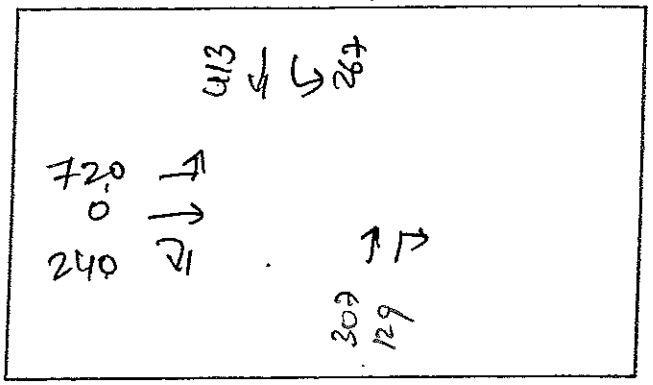
DIST. CO. RTE. P.M. 11 / SR 56

BY KS DATE

TIME 2:30 AM PM Run 4 (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360 360 240	134 134 133 134	72 73 154 282	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
360	134	282	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
776

- ☑ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

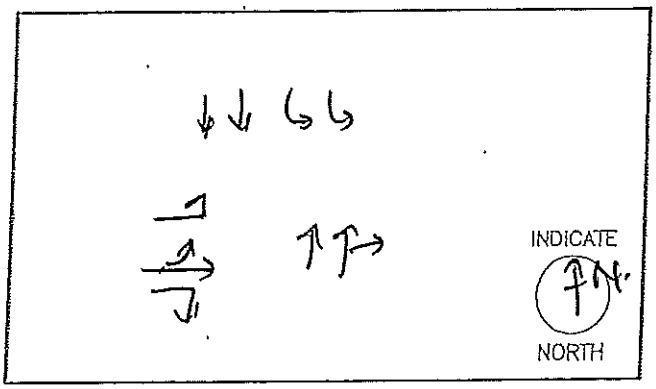
INTERSECTION SR 56 EB Ramps / Carmel Creek Road

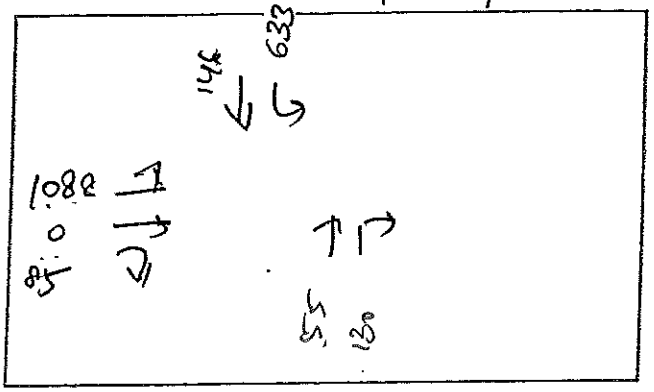
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 2030 AM/PM Run H (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544 / 544 / 185	73 / 73 / 317 / 316	27 / 158	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
544	317	158	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1019

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

No EB Slip + With WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

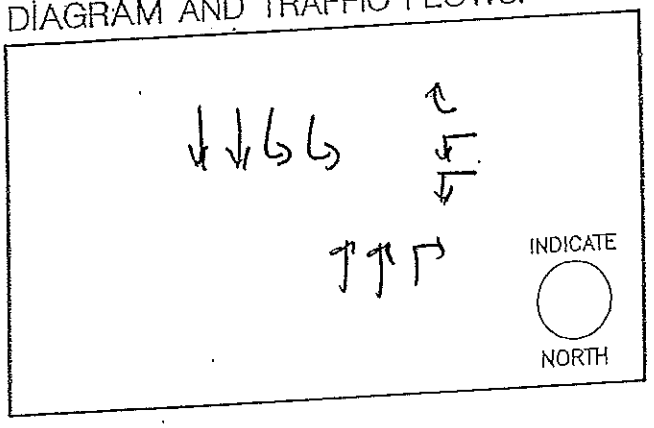
INTERSECTION Carmel Country Road / SR56 WB Ramps

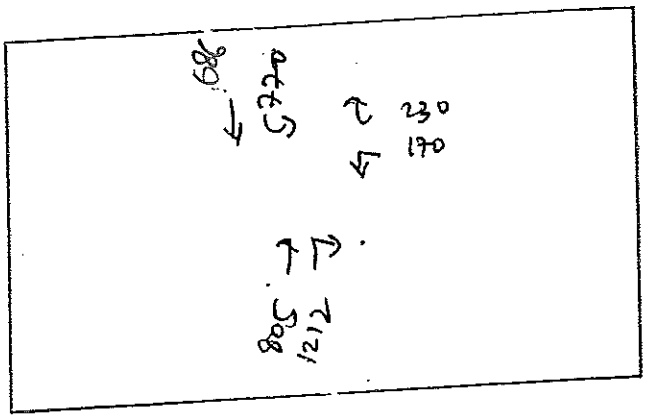
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2030 AM PM Rum H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230 85 85 230	343 343 385 385	402 408 982	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
230	385	982	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1597

IS . . .

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.

No EB Slip + with WB C-D

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

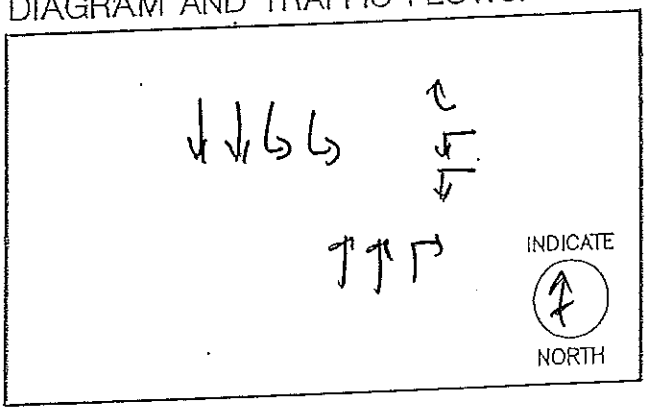
INTERSECTION Carmel Country Road / SR56 WB Ramps

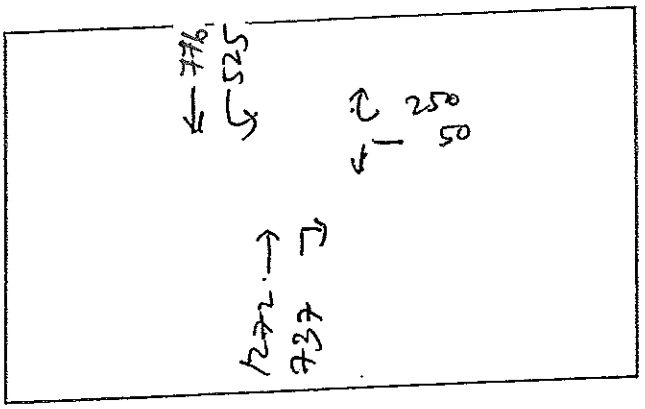
DIST. CO. RTE. P.M. 11/SR56

BY VL DATE

TIME 2030 AM/PM Run H.

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250 25 25 250	263 262 262 263	25 25 636 636 637	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250	263	636	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1149

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

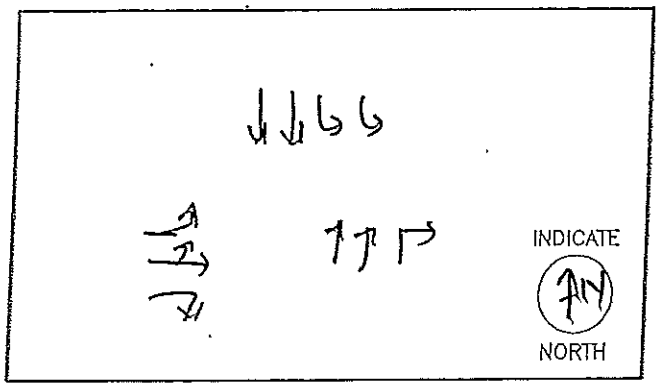
INTERSECTION SR56 EB Ramps / Carmel Country Road

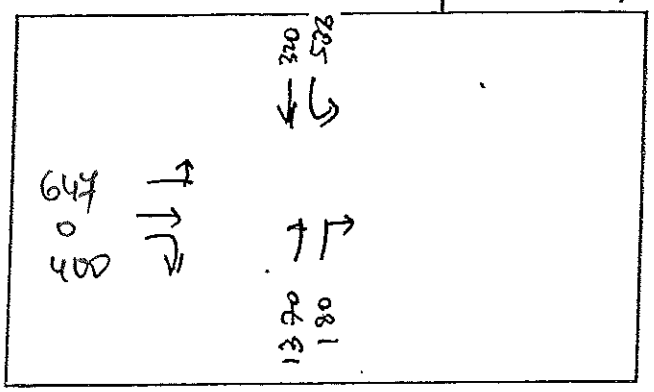
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2030 (AM) PM Rm H
(No EB Slip off-ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
323 324 400	268 268	685 685 181	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400	268	685	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1353

- ☐ < 1200 ILV/HR.
- ☒ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

INTERSECTION SR56 EB Ramps / Carmel Country Road

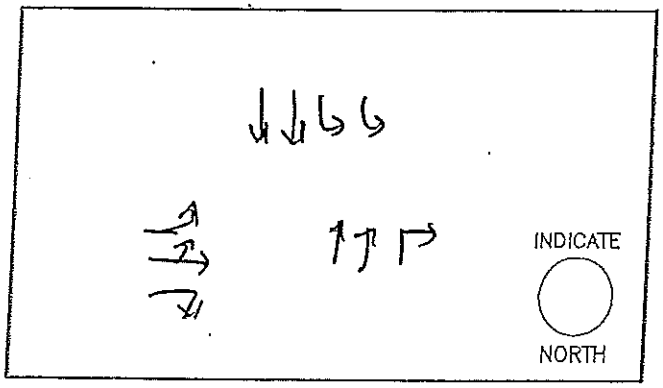
DIST. CO. RTE. P.M. 11 / SR56

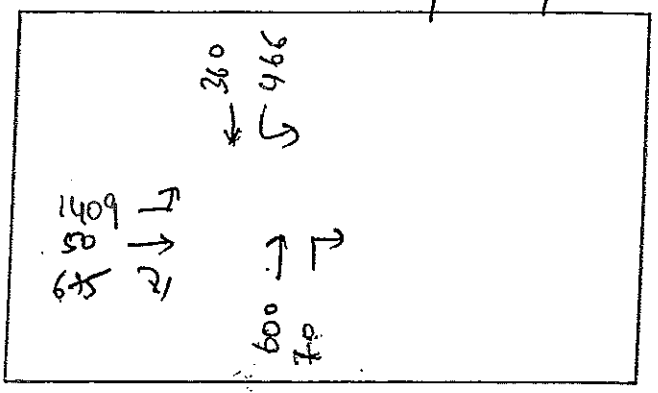
BY US DATE

TIME 2030 AM PM Run F

(No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
704 755 675	145 145 233 233	35 35 300 300 70	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
755	233	300	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1288

☐ < 1200 ILV/HR.

☒ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Near capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

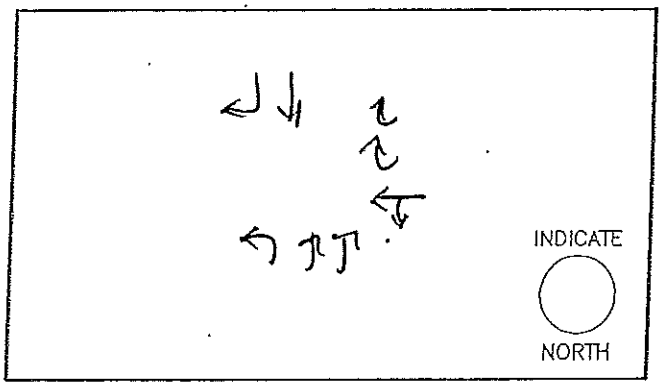
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

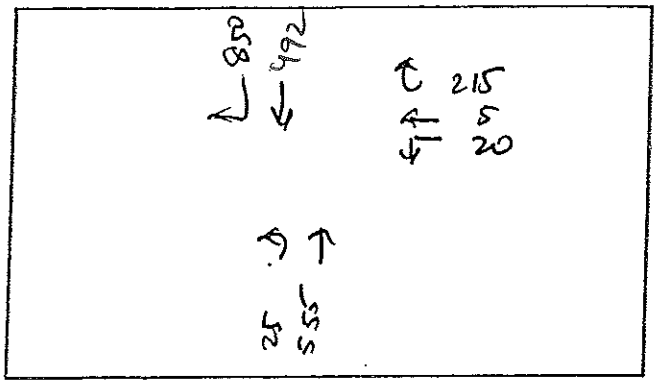
DIST. CO. RTE. P.M. 11 / SR 56

BY VS DATE

TIME 8030 AM PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
107 108 25	25 25 25	850 492 252 253	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
108	25	850	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
983

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

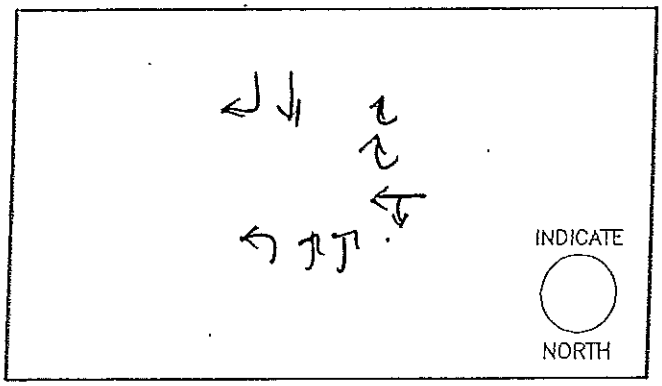
INTERSECTION SR 56 WB Ramps / Carmel Valley Road

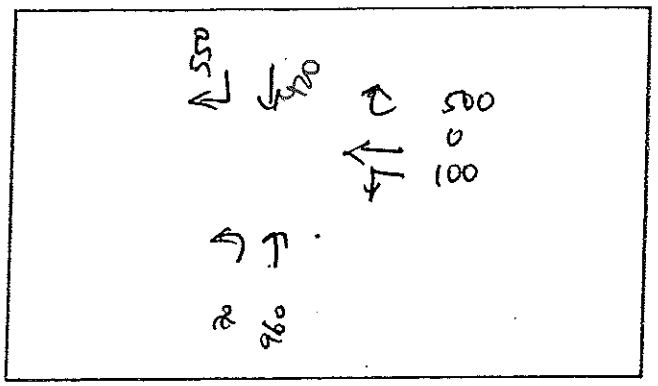
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2030 AM PM Run 4

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250 250 100	35 35 35	550 420 945 945	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
250	35	550	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
835

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity.

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

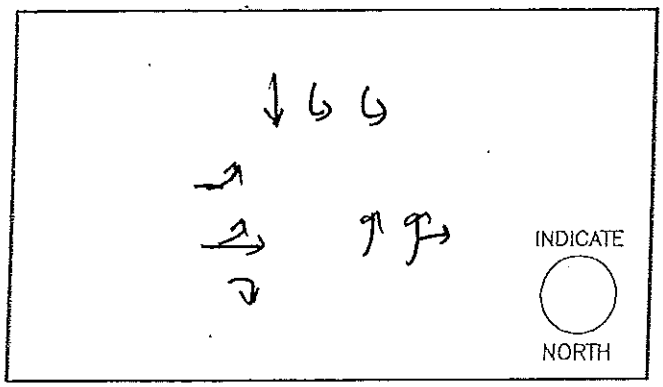
INTERSECTION SR 56 EB Ramps / Carmel Valley Road

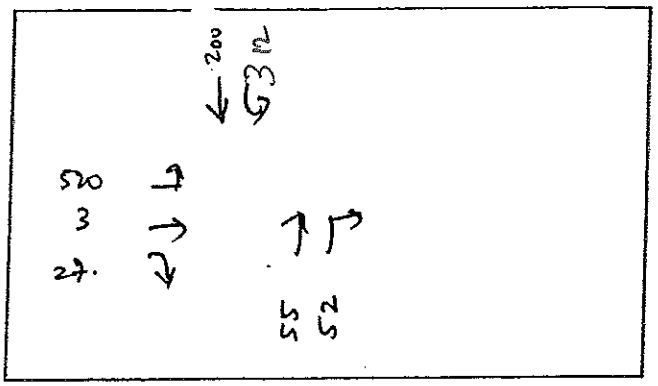
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

TIME 2030 / AM PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
260 263 27	135 156 156	65 27 80	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
263	156	80	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
499

☒ < 1200 ILV/HR.

☐ > 1200 BUT < 1500 ILV/HR.

☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

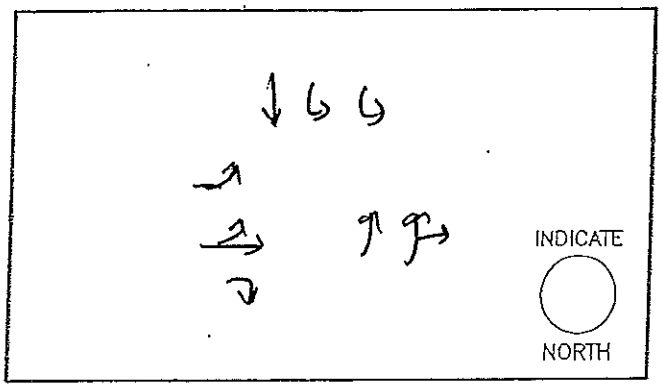
INTERSECTION SR 51 EB Ramps / Carmel Valley Road

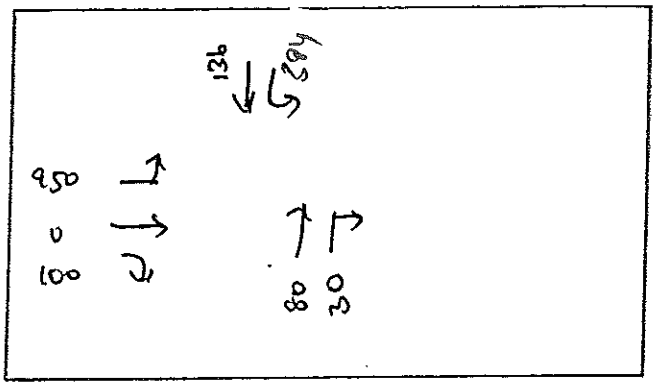
DIST. CO. RTE. P.M. 11/SR 56

BY VS DATE

TIME 2030 AM/PM/ Ramp

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
475 / 475 / 100	136 / 192 / 192	90	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
475	192	70	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
737

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

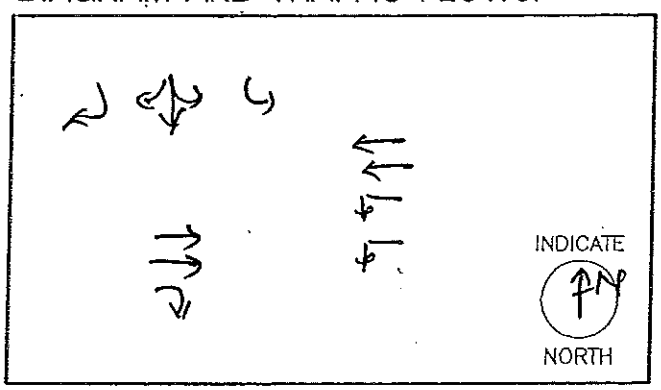
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

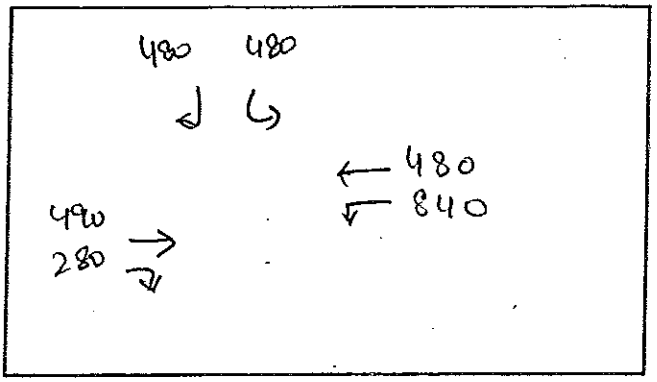
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

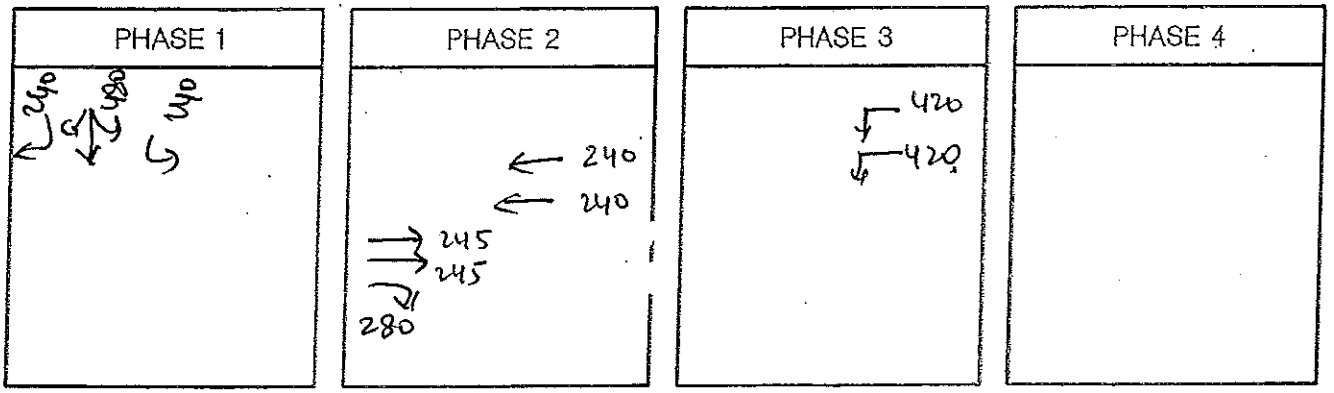
TIME 2030 [AM] PM Run #1

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)



CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
480	280	420	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1180

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

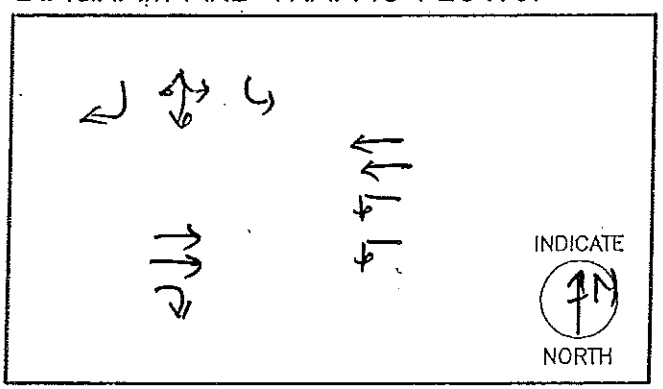
INTERSECTION I-5 SB Ramps / Carmel Mountain Rd

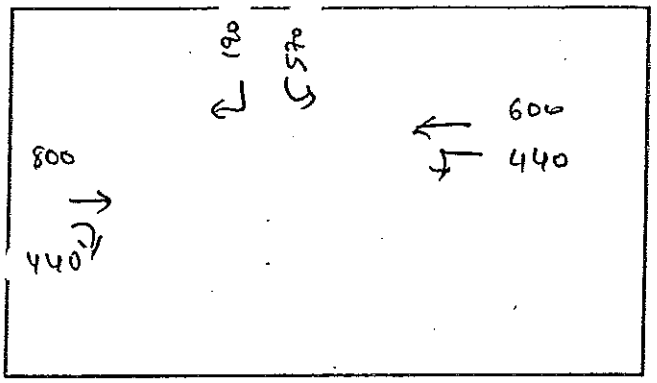
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 PM Run H

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
95, 380, 285	300, 300, 400, 400, 440	220, 220	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
380	440	220	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1040

- ☒ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☐ > 1500 ILV/HR (CAPACITY)

REMARKS: Under capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

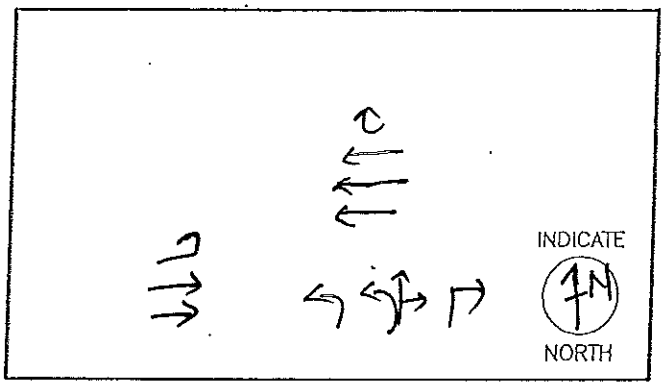
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

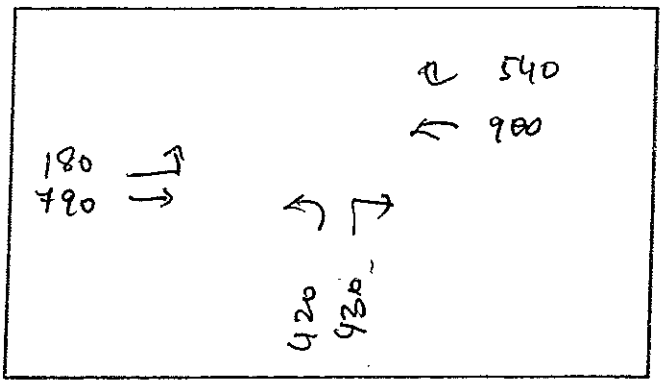
DIST. CO. RTE. P.M. 11 / SD-5

BY VS DATE

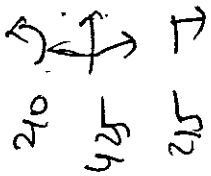
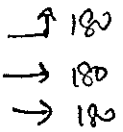
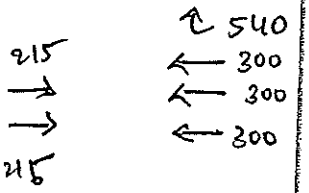
TIME 2030 / AM PM Run 4

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
425	180	540	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1145

IS . . .

- [x] < 1200 ILV/HR.
- [ ] > 1200 BUT < 1500 ILV/HR.
- [ ] > 1500 ILV/HR (CAPACITY)

REMARKS: Under Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

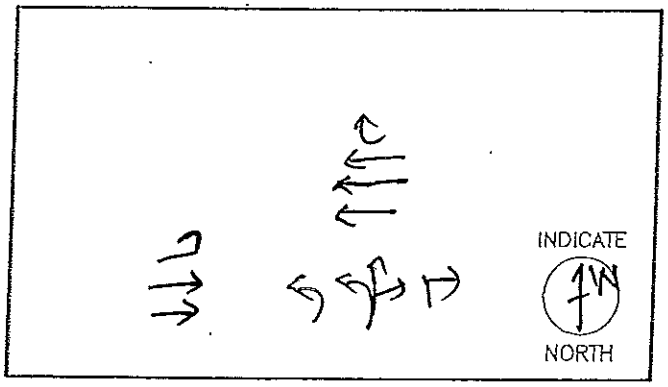
INTERSECTION I-5 NB Ramps / Carmel Mtn Rd

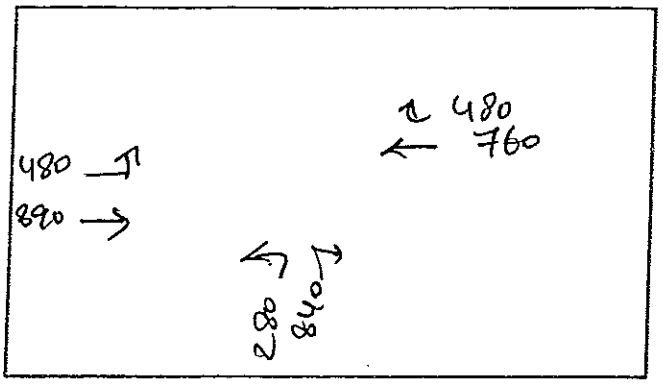
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run #1

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
140 560 428	480 445 445	480 253 253 254	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
560	480	480	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1520

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

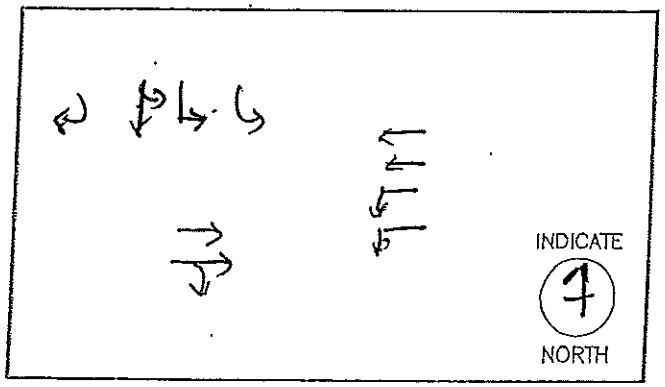
INTERSECTION I-5 SB Ramps / Carmel Valley / Road

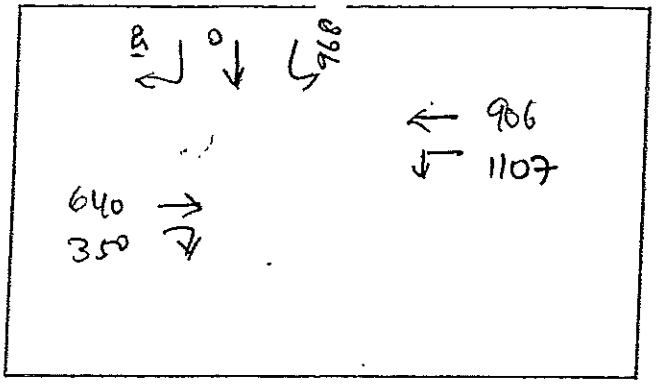
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM PM Run I

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
75, 322, 323, 323	453, 453, 554, 553	320, 670	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
323	554	670	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1547

☐ < 1200 ILV/HR.

> 1200 BUT < 1500 ILV/HR.

☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

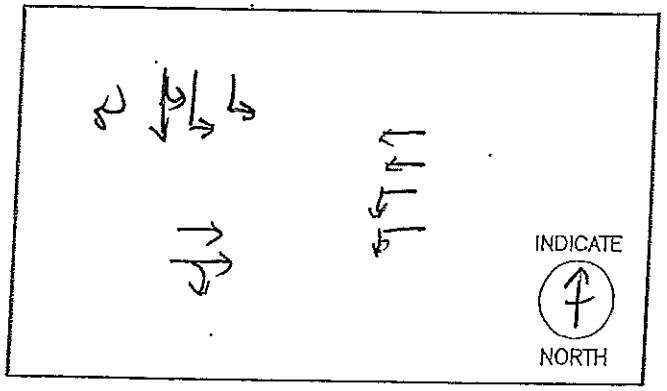
INTERSECTION I-5 SB Ramps / Carmel Valley Road

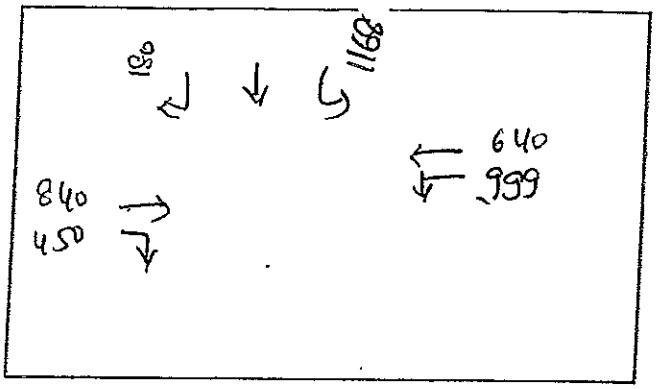
DIST. CO. RTE. P.M. 11 / I-5

BY US DATE

TIME 2020 AM (PM) Run I

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
90 389 389 390	320 220 499 500	420 870	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
	500	870	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1760

IS . . .

- ☐ < 1200 ILV/HR.
- ▯ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

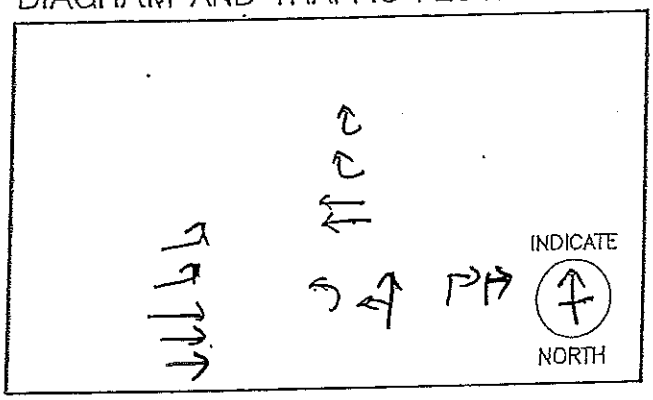
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

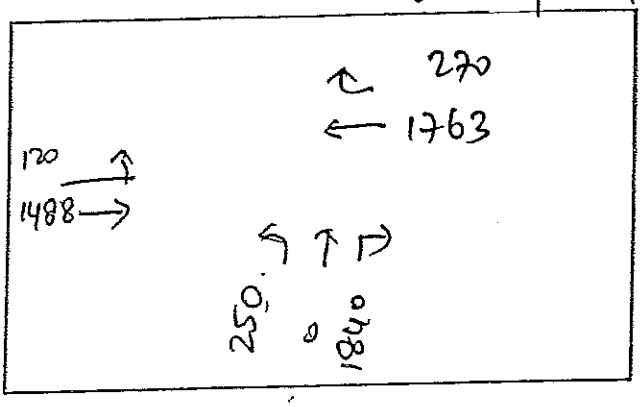
DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 [AM] PM Run I (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60 ↑ 60 ↑ 60 → 60 → 60 →	135 ↶ 135 ↑ 881 ← 882 ← 436 → 436 → 436 →	125 126 920 920	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
60	882	920	

TOTAL OPERATING LEVEL (ILV/HR)

Σ
1862

IS . . .

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

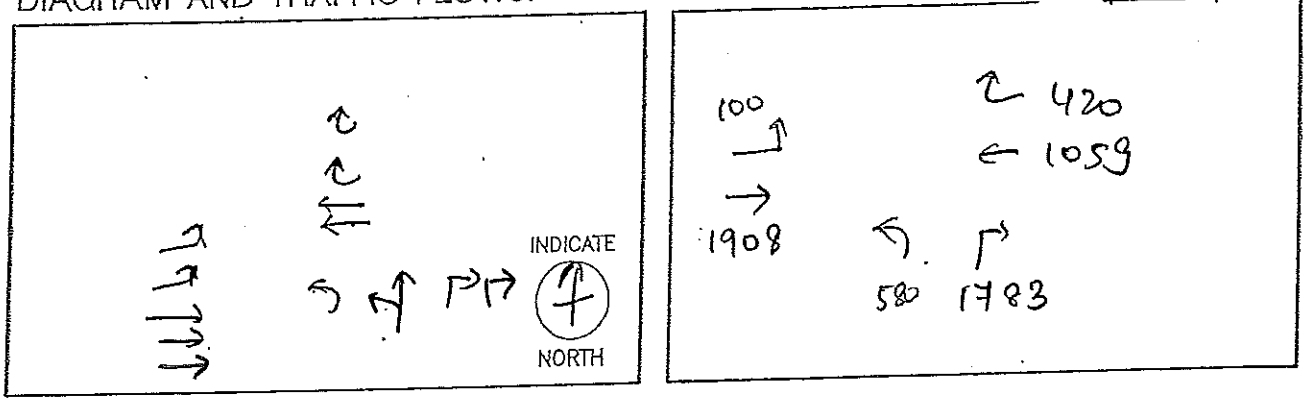
INTERSECTION I-5 NB Ramps / Carmel Valley Rd

DIST. CO. RTE. P.M. 11 / I-5

BY VS DATE

TIME 2030 AM/PM Run I (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:



LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50 50 50 50 50	586 586 586 210 210 530 529	220 290 892 891	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
50	586	892	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1528

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

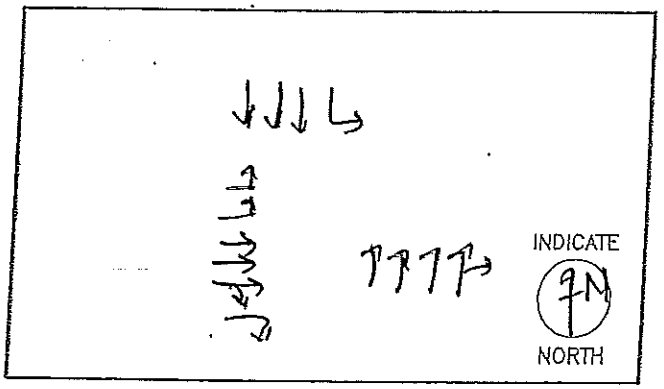
INTERSECTION SR 56 EB Ramps / El Camino Real

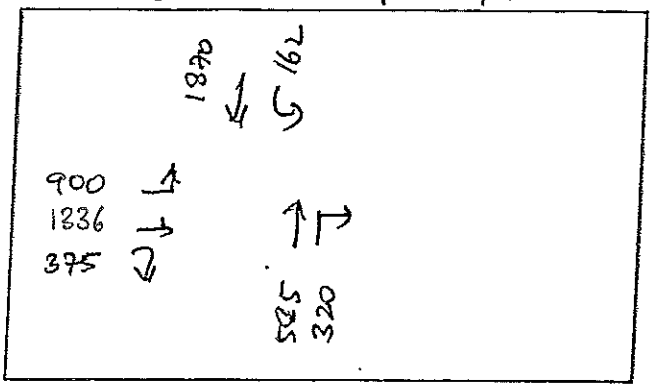
DIST. CO. RTE. P.M. 11 / SR56

BY VS DATE

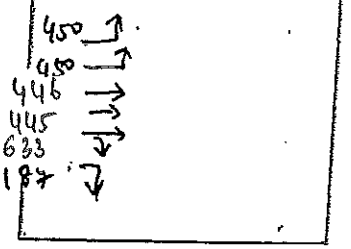
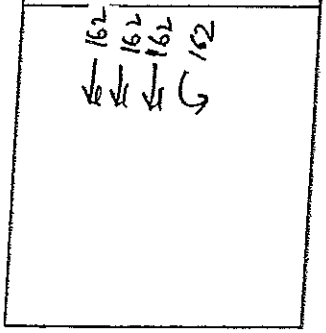
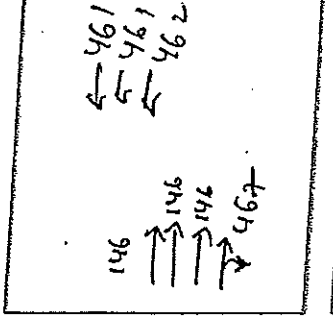
TIME 2030 AM PM Run I (No EB Slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
			

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
633	162	467	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
1262

- D < 1200 ILV/HR.
- A > 1200 BUT < 1500 ILV/HR.
- D > 1500 ILV/HR (CAPACITY)

REMARKS Near Capacity

INTERSECTION

Signalized Intersection
CAPACITY ANALYSIS

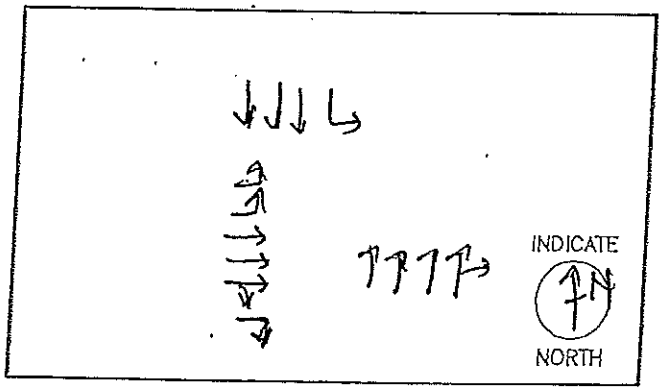
INTERSECTION SR 56 EB Ramps / El Camino Real

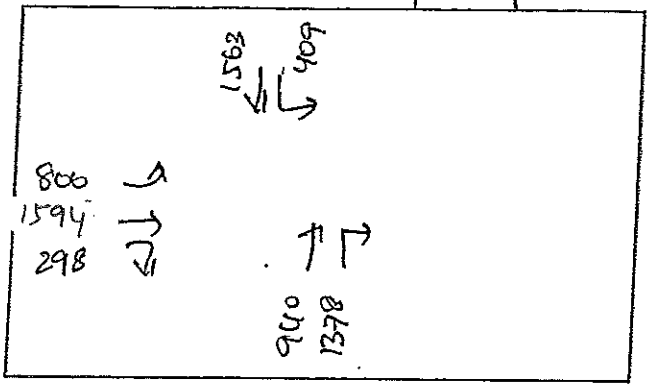
DIST. CO. RTE. P.M. 11 / SR 56

BY VG DATE

TIME 2030 AM/PM Run I (No EB slip ramp)

DIAGRAM AND TRAFFIC FLOWS:





LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
400 400 532 531 680 149	409 409 409	112 112 112 235 235 235 613	

CRITICAL LANE VOLUMES (ILV/HR)

PHASE 1	PHASE 2	PHASE 3	PHASE 4
680	409	613	

TOTAL OPERATING LEVEL (ILV/HR) IS . . .

Σ
2702

- ☐ < 1200 ILV/HR.
- ☐ > 1200 BUT < 1500 ILV/HR.
- ☒ > 1500 ILV/HR (CAPACITY)

REMARKS: Over Capacity.