FISCAL, PLANNING, POLICY & COMPLIANCE

Storytelling with Data (Interactive)





Service Quality Enhancement Taskforce

- Identify Service Problems with Data
- Work Together for the Solutions
- Avoid





- Service Teams Planner, Scheduler, Supervisor
- Use Swiftly Data
- All Departments Involved:

Planning HR Scheduling Operations

Marketing IT Community Relations



LINE 51B

ON-TIME PERFORMANCE

WEEKDAY WEEKEND



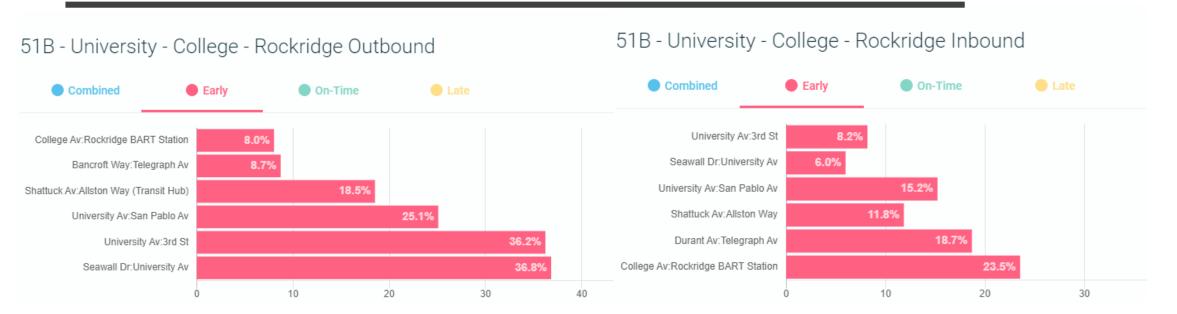
- Well below 72-percent goal
- Fixing earlies could get the line half-way to goal
- Significant issue with lates
- Further analysis on runtimes and vehicle assignment

- Well below 72-percent goal
- Fixing earlies would bring OTP over 80 percent
- Further analysis on earlies



LINE 51B

WEEKEND EARLY ANALYSIS



- Leaving first stop 8% of the time
- Arriving end-of line 37% of time
- Analyze runtimes to identify causes
- Similar to Marina direction but less severe.



Timebands	Potential OTP	Potential OTP	University 8,3rd 51	pel	University 8 San Pa	plo Av	Shattuck Av	Durant Av	College My
00:00 - 05:29	100.0%	65.0%		2:00	6:45	8:00	9:20 12:00	17:12 21:00	
05:30 - 07:29	100.0%	80.0%	2:07	3:00	7:36	9:00	10:05 13:00	19:14 22:00	
07:30 - 07:59	90.0%	60.0%	a :50	3:00	10:22	9:00	14:18 13:00	25:05 24:00	
08:00 - 09:59	75.0%	63.3%	3:54	5:00	11:14	13:00	16:15 18:00	27:48 29:00	
10:00 - 11:59	88.0%	81.3%	4:18	5:00	15:23	15:00	21:36 22:00	37:46 35:00	
12:00 - 18:29	82.0%	57.6%	4:39	7:00	16:34	19:00	22:42 26:00	38:15 43:00	
18:30 - 18:59	100.0%	46.7%	6:10	7:00	15:07	19:00	20:37 26:00	36:06 40:00	
19:00 - 19:29	100.0%	60.0%	8:00	7:00	20:36	16:00	27:45 28:00	42:50 37:00	
19:30 - 19:59	95.0%	90.0%	4:25	4:00	13:14	13:00	19:41 19:00	30:09 33:00	
20:00 - 21:44	80.0%	70.0%	2:57	4:00	10:48	13:00	20:35 19:00	31:44 30:00	
21:45 - 22:29	100.0%	80.0%	3:48	4:00	10:05	11:00	14:14 17:00	24:34 28:00	
22:30 - 23:11	91.4%	80.0%	2:23	3:00	9:21	10:00	14:59 16:00	23:17 27:00	

- Times in black are average actual runtimes cumulative
- Times in red are current runtimes cumulative
- Room for improvement to better match actual runtimes with the schedule
- In general, there is too much time in the schedule, leading to earlies
- Action: Perform Hastus runtime analysis and revise schedule – March 2020



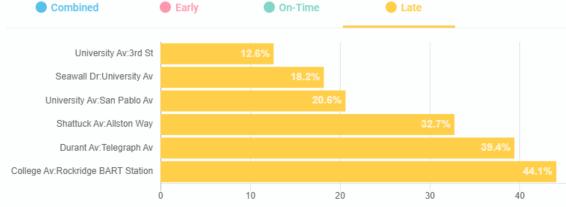
LINE 51B

WEEKDAY LATE ANALYSIS

51B - University - College - Rockridge Outbound







- Buses leave starting point 13% of the time
- Buses arrive at end point late 56% of the time
- Lates increase as line progresses
- Insufficient runtime and layover may be contributing

Similar to Marina direction but less severe.

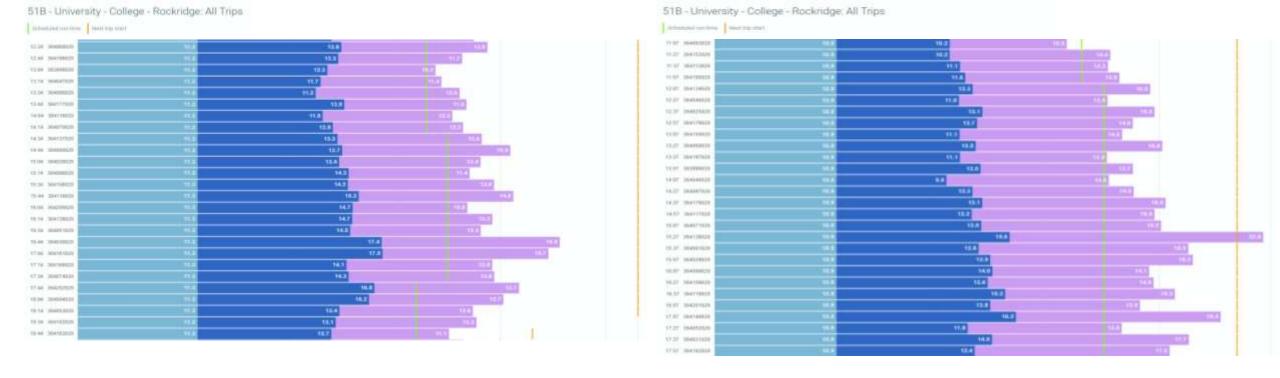






- Slow zones:
 - University/San Pablo
 - Downtown Berkeley (due to multiple City projects)
 - Southside (new TSP and improvements coming in next 12-18 months)
 - College/Ashby
- Significant Dwell time around slow zones





- Trips are exceeding scheduled runtimes on nearly every trip.
- A small number of trips are late enough to miss entire layover in Rockridge direction
- Potentially not enough time in schedule
- Look at fleet assignment to ensure PR40s are assigned
- Analyze usage of queue jumps and TSP
- Action: Perform Hastus runtime analysis and revise schedule March 2020



NEXT STEPS

- Supervisor/Planner/Scheduler should perform field visits
 - Both terminals look at when buses arrive/leave, how much time they spend. Is there enough time?
 - Slow zones what is contributing to slow zones: temporary construction, bad signals, congestion, dwell?
- Planner/Scheduler should review vehicle assignments what's in Hastus versus what's deployed in the field?
 - All buses should be PR40s
 - Communicate back to Division
- Planner/Scheduler Review Schedule
 - Is time misallocated between timepoints?
 - Enough time in schedule? Too much?



