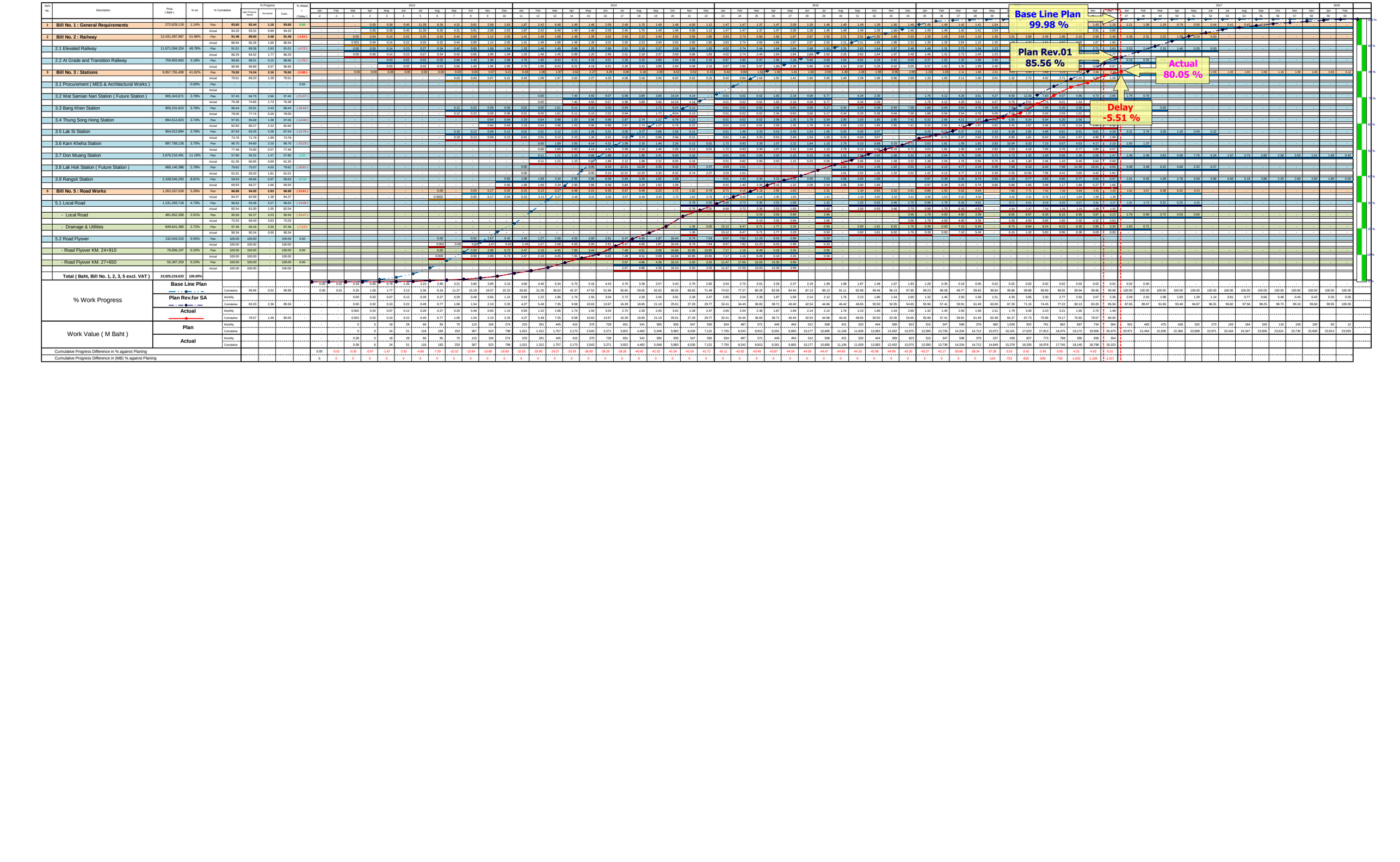
S-Curve Showing Planned and Actual Work Progress

The Construction of Mass Transit System Project in Bangkok (Rest Line) (II)

Contract 2 : Civil Works for Bang Sue - Rangsit Railway



Item No.	Description	Price (Baht)	% wt.	% Cumulative		% Progress: Last Period Month	% Progress: This Month	% Progress: Cum.	% Ahead / (Delay)
1	**Bill No. 1 : General Requirements**	272,629,119	1.14%	Plan	**93.60**	**92.44**	**1.16**	**93.60**	0.00
				Actual	94.20	93.31	0.89	94.20	
2	**Bill No. 2 : Railway**	12,431,497,987	51.96%	Plan	**91.48**	**89.00**	**2.48**	**91.48**	(4.54)
				Actual	86.94	85.28	1.66	86.94	
	2.1 Elevated Railway	11,671,594,524	48.78%	Plan	91.01	88.38	2.63	91.01	(4.73)
				Actual	86.29	84.52	1.77	86.29	
	2.2 At Grade and Transition Railway	759,903,663	3.18%	Plan	98.68	98.51	0.15	98.66	(1.70)
				Actual	96.96	96.89	0.07	96.96	
3	**Bill No. 3 : Stations**	9,957,755,499	41.62%	Plan	**76.50**	**74.34**	**2.16**	**76.50**	(5.98)
				Actual	70.51	69.23	1.28	70.51	
	3.1 Procurement (MES & Architectural Works)	-	0.00%	Plan	-	-	-	-	0.00
				Actual	-	-	-	-	
	3.2 Wat Samian Nari Station (Future Station)	905,343,671	3.78%	Plan	97.45	94.79	2.66	97.45	(21.07)
				Actual	76.38	74.65	1.73	76.38	
	3.3 Bang Khen Station			Plan	96.44	93.01	3.43	96.44	(18.44)
				Actual	78.00	77.74	0.26	78.00	
	3.4 Thung Song Hong Station	894,512,823	3.74%	Plan	97.05	95.68	1.38	97.05	(14.45)
				Actual	82.60	80.27	2.32	82.60	
	3.5 Lak Si Station	904,012,894	3.78%	Plan	87.54	83.25	4.28	87.54	(13.76)
				Actual	73.78	71.79	1.99	73.78	
	3.6 Karn Kheha Station	897,758,126	3.75%	Plan	96.70	94.60	2.10	96.70	(19.23)
				Actual	77.48	76.90	0.57	77.48	
	3.7 Don Muang Station	2,676,210,491	11.19%	Plan	57.80	56.32	1.47	57.80	-3.55
				Actual	61.35	60.65	0.69	61.35	
	3.8 Lak Hok Station (Future Station)	666,140,386	2.78%	Plan	79.62	75.07	4.55	79.62	(18.63)
				Actual	61.01	59.20	1.81	61.01	
	3.9 Rangsit Station	2,108,545,293	8.81%	Plan	59.63	58.66	0.97	59.63	-10.30
				Actual	69.93	68.27	1.66	69.93	
5	**Bill No. 5 : Road Works**	1,263,337,028	5.28%	Plan	**96.98**	**94.05**	**2.93**	**96.98**	(12.61)
				Actual	84.37	82.99	1.38	84.37	
	5.1 Local Road	1,131,293,718	4.73%	Plan	96.42	93.36	3.27	96.42	(14.08)
				Actual	82.54	81.00	1.55	82.54	
	- Local Road	481,652,358	2.01%	Plan	95.50	92.27	3.23	95.50	(23.47)
				Actual	72.03	68.40	3.63	72.03	
	- Drainage & Utilities	649,641,360	2.72%	Plan	97.46	94.16	3.30	97.46	(7.12)
				Actual	90.34	90.34	0.00	90.34	
	5.2 Road Flyover	132,043,310	0.55%	Plan	100.00	100.00	-	100.00	0.00
				Actual	100.00	100.00	-	100.00	
	- Road Flyover KM. 24+910	76,656,107	0.32%	Plan	100.00	100.00	-	100.00	0.00
				Actual	100.00	100.00	-	100.00	
	- Road Flyover KM. 27+650	55,387,203	0.23%	Plan	100.00	100.00	-	100.00	0.00
				Actual	100.00	100.00	-	100.00	
	Total (Baht, Bill No. 1, 2, 3, 5 excl. VAT)	**23,925,219,633**	**100.00%**						

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			-2	-1	1	2	3	4	5	6	7	8	9	10
% Work Progress	Base Line Plan	Cumulative	99.96	0.02	99.98									
	Plan Rev.for SA	Monthly				0.00	0.02	0.07	0.12	0.28	0.27	0.29	0.48	0.65
		Cumulative	83.20	2.36	85.56		0.00	0.02	0.10	0.22	0.49	0.77	1.06	1.54
	Actual	Monthly				0.002	0.02	0.07	0.12	0.28	0.27	0.29	0.48	0.65
		Cumulative	78.57	1.48	80.05		0.002	0.02	0.10	0.22	0.49	0.77	1.06	1.54
Work Value (M Baht)	Plan	Monthly				0	5	18	28	66	65	70	115	156
		Cumulative				0	6	24	51	118	183	253	367	523
	Actual	Monthly				0.38	5	18	28	66	65	70	115	156
		Cumulative				0.38	6	24	51	118	183	253	367	523
Cumulative Progress Difference in % against Planing			0.00	-0.01	-0.35	-0.97	-1.67	-2.91	-4.86	-7.39	-10.32	-13.64	-16.88	-18.89
Cumulative Progress Difference in (MB) % against Planing			0		0									

			2013												2014												2015											
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46
% Work Progress	Base Line Plan	Cumulative	0.00	0.01	0.36	0.65	0.79	1.96	2.23	2.80	3.21	3.80	3.89	3.15	4.60	4.46	5.34	5.75	5.16	4.43	3.70	3.39	3.57	3.43	2.79	2.65	3.04	2.75	3.01	2.29	2.37	2.19	1.99	1.98	1.87	1.48	1.67	1.83
	Plan Rev.for SA	Monthly																																				
		Cumulative				0.00	0.02	0.07	0.12	0.28	0.27	0.29	0.48	0.65	1.15	0.93	1.22	1.86	1.74	1.55	3.04	2.72	2.26	2.45	3.91	2.28	2.47	2.65	2.04	2.38	1.87	1.69	2.14	2.12	1.76	2.23	1.86	1.54	2.60
	Actual	Monthly																																				
		Cumulative				0.002	0.02	0.07	0.12	0.28	0.27	0.29	0.48	0.65	1.15	0.93	1.22	1.86	1.74	1.55	3.04	2.72	2.26	2.45	3.91	2.28	2.47	2.65	2.04	2.38	1.87	1.69	2.14	2.12	1.76	2.23	1.86	1.54	2.60
Work Value (M Baht)	Plan	Monthly																																				
		Cumulative				0	6	24	51	118	183	253	367	523	798	1,021	1,312	1,757	2,173	2,543	3,271	3,922	4,462	5,048	5,983	6,530	7,121	7,755	8,242	8,813	9,261	9,665	10,177	10,685	11,106	11,639	12,083	12,452	13,075
	Actual	Monthly																																				
		Cumulative				0.38	6	24	51	118	183	253	367	523	798	1,021	1,312	1,757	2,173	2,543	3,271	3,922	4,462	5,048	5,983	6,530	7,121	7,755	8,242	8,813	9,261	9,665	10,177	10,685	11,106	11,639	12,083	12,452	13,075
Cumulative Progress Difference in % against Planing				-0.01	-0.35	-0.97	-1.67	-2.91	-4.86	-7.39	-10.32	-13.64	-16.88	-18.89	-22.55	-25.80	-29.27	-33.29	-36.90	-38.29	-39.26	-40.40	-41.52	-41.04	-41.54	-41.72	-42.11	-42.82	-43.46	-43.87	-44.54	-44.59	-44.47	-44.69	-44.33	-43.96	-44.08	-43.30
Cumulative Progress Difference in (MB) % against Planing					0																																	

			2016												2017												2018											
			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82
% Work Progress	Base Line Plan	Cumulative	1.83	1.28	0.35	0.19	0.06	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.00																						
	Plan Rev.for SA	Monthly																																				
		Cumulative	2.60	1.32	1.45	2.50	1.58	1.51	4.30	3.85	3.30	2.77	2.91	3.07	2.36	2.09	2.02	1.98	1.83	1.39	1.14	0.81	0.77	0.66	0.48	0.45	0.42	0.35	0.05									
	Actual	Monthly																																				
		Cumulative	2.60	1.32	1.45	2.50	1.58	1.51	1.79	3.46	3.23	3.21	1.65	2.75	1.46	1.83	1.89	1.83	1.53	1.39	1.14	0.81	0.77	0.66	0.48	0.45	0.42	0.35	0.05									
Work Value (M Baht)	Plan	Monthly																																				
		Cumulative	13,390	13,736	14,334	14,713	15,071	16,101	17,023	17,813	18,475	19,172	19,906	20,470	20,971	21,464	21,928	22,366	22,698	22,971	23,164	23,347	23,506	23,621	23,730	23,830	23,913	23,925										
	Actual	Monthly																																				
		Cumulative	13,390	13,736	14,334	14,713	14,949	15,378	16,205	16,978	17,745	18,140	18,798	19,153																								
Cumulative Progress Difference in % against Planing			-43.27	-42.17	-39.86	-38.34	-37.36	-36.03	-36.42	-36.89	-36.99	-37.04	-36.83	-36.74	-36.47	-36.45	-36.43	-36.32	-36.32	-36.32	-36.32	-36.32	-36.32	-36.32	-36.32	-36.32	-36.32	-36.32										
Cumulative Progress Difference in (MB) % against Planing			0	0	0	0	-124	-723	-818	-836	-730	-1,032	-1,108	-1,317																								