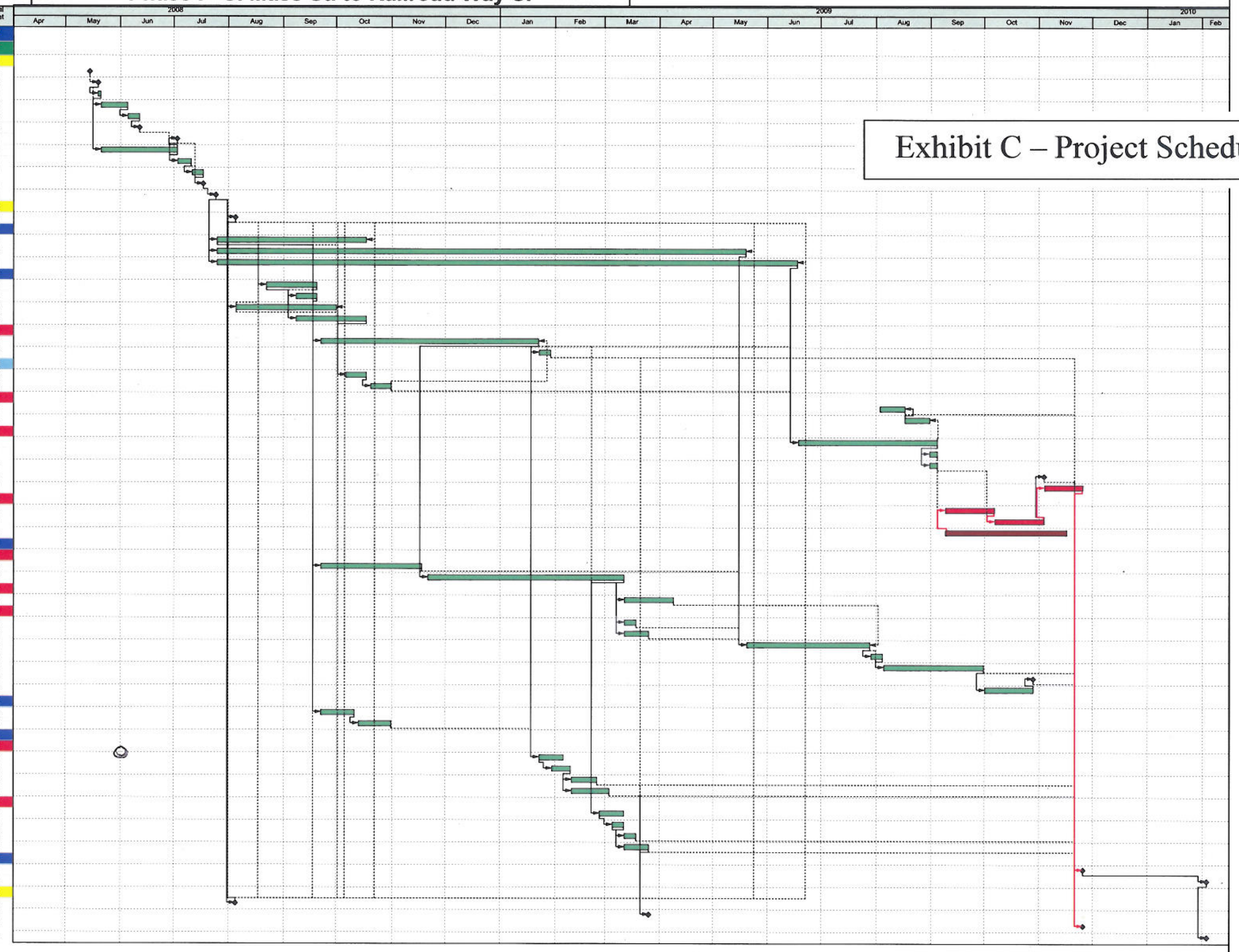
Alaskan Way Viaduct & Seawall Replacement Program
Safety & Mobility Projects

ELECTRICAL LINE RELOCATION
Phase I - S. Mass St. to Railroad Way S.

Run Date / Time : 10-Mar-08 / 09:38
Data Date : 01-Mar-08

Exhibit C – Project Schedule

Activity Name	Original Duration	Start	Finish	Total Float
AWV Safety & Mobility Program	431	14-May-08	03-Feb-10	12
Electrical Line Relocations Phase I - S. Mass St. to Railroad Way S.	431	14-May-08	03-Feb-10	12
Phase 1 Electrical Line Relocations - Advertise - Bid & Award	49	14-May-08	24-Jul-08	1
(ELR-1) - Advertise Notice to HQ	0		14-May-08	2
(ELR-1) - (MS # 5) ADVERTISEMENT DATE	0	19-May-08*		0
(ELR-1) - ADVERTISEMENT	2	19-May-08	20-May-08	1
(ELR-1) - Prepare Addendum	10	21-May-08	04-Jun-08	16
(ELR-1) - Review Addendum	5	05-Jun-08	11-Jun-08	16
(ELR-1) - Publish Addendum	0		11-Jun-08	16
(ELR-1) - (MS # 6) BID OPENING	0		02-Jul-08	1
(ELR-1) - Bid Period	30	21-May-08	02-Jul-08	1
(ELR-1) - Prepare Bid Abstract	5	03-Jul-08	10-Jul-08	1
(ELR-1) - Finalize Contractor	5	11-Jul-08	17-Jul-08	1
(ELR-1) - (MS # 7) CONTRACT AWARD	0		17-Jul-08	1
(ELR-1) - (MS # 8) CONTRACT EXECUTION	0		24-Jul-08	1
Phase 1 Electrical Line Relocations - Construction	382	25-Jul-08	03-Feb-10	12
(UT) - SCL - Construction Work Start - Electrical Line Relocations - 1st Utilities	0		04-Aug-08	35
Cable Procurement by Construction Contractor	225	25-Jul-08	17-Jun-09	1
(UT) - SCL - Permits, Submittals and Materials Procurement	60	25-Jul-08	17-Oct-08	27
(UT) - SCL - 5 Mass Feeders Cable Procurement	205	25-Jul-08	19-May-09	19
(UT) - SCL - Transmission Lines 1 & 2 Cable Procuement	225	25-Jul-08	17-Jun-09	1
Construction - Phase I Transmission Lines 1 & 2 Civil Mass. Substation to WOSCA Vault	330	05-Aug-08	25-Nov-09	10
(UT) - SCL - Install TESC, Fencing and Traffic Control Devices	20	22-Aug-08*	19-Sep-08	27
(UT) - SCL - Construct Temporary Access Road @ Colo. Ave.	10	08-Sep-08*	19-Sep-08	27
(UT) - SCL - Mobilize -Transmission Lines 1 & 2	40	05-Aug-08*	30-Sep-08	35
(UT) - SCL - Install Instrumentation / Dewatering	30	08-Sep-08*	17-Oct-08	80
Civil Work	88	22-Sep-08	29-Jan-09	65
(UT) - SCL - Regular Trenching and Ductbank - Transmission Lines 1 & 2	83	22-Sep-08	22-Jan-09	27
(UT) - SCL - Bent 120W Riser & Suspension Installation - Transmission Lines 1 & 2	5	23-Jan-09	29-Jan-09	65
Manhole Placement	20	06-Oct-08	31-Oct-08	80
(UT) - SCL - Manhole Placement #2 - Transmission Lines 1 & 2	10	06-Oct-08	17-Oct-08	80
(UT) - SCL - Manhole Placement #1 - Transmission Lines 1 & 2	10	20-Oct-08	31-Oct-08	80
Mass Substation Civil Work	20	03-Aug-09	31-Aug-09	71
(UT) - SCL - Substation MA-US-1 Trenching & Shoring - Transmission Line 1	10	03-Aug-09	17-Aug-09	71
(UT) - SCL - Substation MA-US-2 Trenching & Shoring - Transmission Line 2	10	17-Aug-09	31-Aug-09	71
Electrical Work	112	18-Jun-09	25-Nov-09	0
(UT) - SCL - Pull and Splice Transmission Lines 1 & 2 Mass Sustation to Bent 120W	56	18-Jun-09	04-Sep-09	1
(UT) - SCL - Transmission Line 1 Transition Joint & SubTermination Preparation	5	31-Aug-09	04-Sep-09	1
(UT) - SCL - Transmission Line 2 Transition Joint & SubTermination Preparation	5	31-Aug-09	04-Sep-09	21
(UT) - SCL - Transmission Lines 1 & 2 S Mass St to Railroad Way S Complete	0		03-Nov-09	15
(UT) - SCL - Removal of Trans Line 1 & 2 Under Viaduct Mass to Bent 120W	15	04-Nov-09	25-Nov-09	0
MA-US Outage #1 & #2 Work	48	09-Sep-09	16-Nov-09	0
(UT) - SCL-MA-US #1 Outage - Transmission Line 1 (Planned for 09-Sep-09 to 06-Oct-09)	20	09-Sep-09	06-Oct-09	0
(UT) - SCL-MA-US #2 Outage - Transmission Line 2 (Planned for 07-Oct-09 to 05-Nov-09)	20	07-Oct-09	03-Nov-09	0
(UT) - SCL-MA-US #1 and #2 Fall 2009 Outage (Planned for 09-Sep-09 to 14-Nov-09)	48	09-Sep-09*	16-Nov-09	0
Mass Sub Sta. to Yesler 5 Network Fdrs	278	22-Sep-08	28-Oct-09	19
Civil Work	116	22-Sep-08	11-Mar-09	27
(UT) - SCL- (DIST) - 4 New Manholes - 5 Mass Feeders	40	22-Sep-08	17-Nov-08	30
(UT) - SCL- (DIST) - Regular Trenching and Ductbank - 5 Mass Feeders	73	21-Nov-08	11-Mar-09	27
Mass Substation Civil Work	20	12-Mar-09	08-Apr-09	89
(UT) - SCL- (DIST) - Substation Trenching - 5 Mass Feeders	20	12-Mar-09	08-Apr-09	89
Electrical Work	162	12-Mar-09	28-Oct-09	19
(UT) - SCL- (DIST) - Viaduct Riser and Mounting - 5 Mass Feeders	5	12-Mar-09	18-Mar-09	63
(UT) - SCL- (DIST) - Aerial Cable Work on Railroad Way S	10	12-Mar-09	25-Mar-09	58
(UT) - SCL- (DIST) - 13 KV Electrical Cable Pulling, Slices and Viaduct Tie-in - 5 Network Fdrs	48	20-May-09	28-Jul-09	19
(UT) - SCL- (DIST) - Cable Acceptance Testing - 5 Mass Feeders	5	29-Jul-09	04-Aug-09	19
(UT) - SCL- (DIST) - Test/Energize Elect. 5 Network Feeders (by SCL)	40	05-Aug-09	30-Sep-09	19
(UT) - SCL- (DIST) - 5 Mass. Network Fdrs S Mass St to Railroad Way S Complete	0		28-Oct-09	19
(UT) - SCL- (DIST) - Removal of 5 Network Feeders Cable & Duct System from Viaduct	20	01-Oct-09	28-Oct-09	19
Royal Broughham Crossing	30	22-Sep-08	31-Oct-08	96
(UT) - SCL - Traffic Stage 1 - Relo Wtr Line, Trans 1 & 2 and 5 Mass Feeders Ductbacks, Backfill & Rebuild Street	15	22-Sep-08	10-Oct-08	96
(UT) - SCL - Traffic Stage 2 - Trans 1 & 2 and 5 Mass Feeders Ductbacks, Backfill & Rebuild Street	15	13-Oct-08	31-Oct-08	96
Phase I Surface Restoration	43	23-Jan-09	25-Mar-09	27
Transmission Lines Trenching Restoration	27	23-Jan-09	03-Mar-09	43
(UT) - SCL - City Street Restoration - Phase I	10	23-Jan-09	05-Feb-09	43
(UT) - SCL - Concrete Curb and Gutter - Phase I	7	30-Jan-09	09-Feb-09	43
(UT) - SCL - Concrete Sidewalk / Promenade - Phase I	10	10-Feb-09	24-Feb-09	48
(UT) - SCL - Asphalt Paving - Phase I	15	10-Feb-09	03-Mar-09	43
Mass Feeders Trenching Restoration	20	26-Feb-09	25-Mar-09	27
(UT) - SCL - City Street Restoration - Phase I	10	26-Feb-09	11-Mar-09	27
(UT) - SCL - Concrete Curb and Gutter - Phase I	5	05-Mar-09	11-Mar-09	27
(UT) - SCL - Concrete Sidewalk / Promenade - Phase I	5	12-Mar-09	18-Mar-09	32
(UT) - SCL - Asphalt Paving - Phase I	10	12-Mar-09	25-Mar-09	27
Project Closeout	45	25-Nov-09	03-Feb-10	12
Early Electrical Phase I Operationally Complete	0		25-Nov-09*	0
Early Electrical Phase I Final Contract Completion	0		03-Feb-10*	12
Phase 1 Electrical Line Relocations - Construction Key Milestones	375	04-Aug-08	03-Feb-10	12
Start of Construction	0		04-Aug-08	35
Civil Work Complete	0		25-Mar-09*	27
Substantially Complete	0		25-Nov-09*	0
Final Contract Complete	0		03-Feb-10*	12



SCHEDULE ASSUMPTIONS

- 1 WEEK LAG BETWEEN CONTRACT AWARD & CONTRACT EXECUTION.
- 9 DAYS LAG BETWEEN CONTRACT EXECUTION ON 24 JUL 2008 & START OF CONSTRUCTION ON 04 AUG 2008.
- 2 MONTHS ALLOCATED FOR FINAL PUNCHLISTS & CLOSEOUT.
- MANDATORY TRANSMISSION CUTOVER WINDOW FROM 9 SEP 09 TO 14 NOV 09
- FLOATS ARE BASED OFF TARGET DATES OF 19 MAY 08 FOR ADVERTISEMENT, 01 MAY 09 FOR COMPLETION OF CIVIL WORK, 25 NOV 09 FOR PHYSICAL COMPLETION OF WORK & 22 FEB 10 FOR FINAL CONTRACT COMPLETION.

SCHEDULE DURATIONS

- CIVIL WORK COMPLETED IN 159 WORK DAYS.
- PHYSICAL COMPLETION IN 330 WORK DAYS.
- CONTRACT COMPLETION IN 375 WORK DAYS.

Construction Effort | Critical Work | Fall 2009 Outage ◆ | ◆ Milestones

AD-BID-AWARD & CONSTRUCTION

ATTACHMENT 1
EXHIBIT C