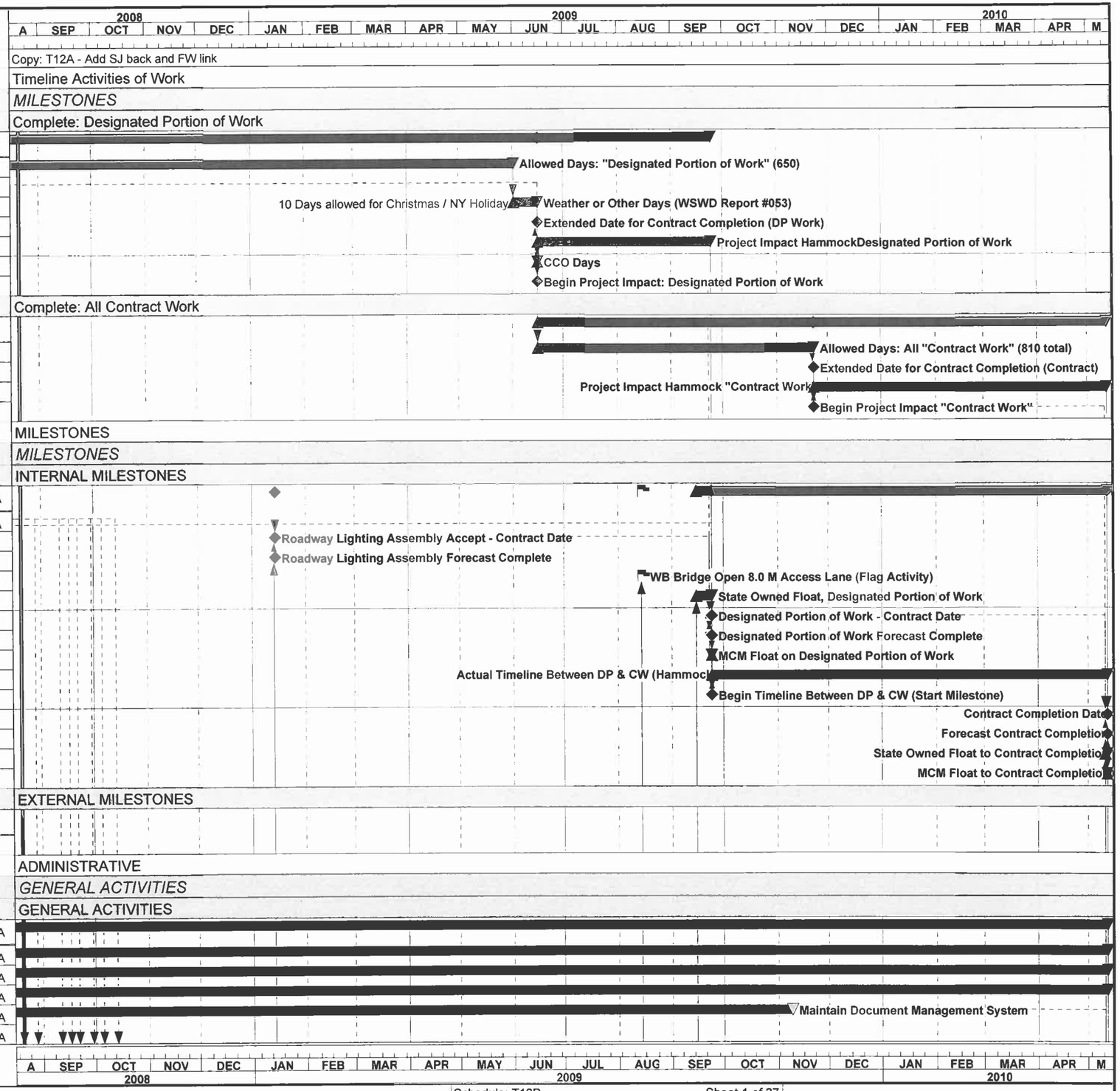
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
Copy: T12A - Add SJ back and FW link							
Timeline Activities of Work							
MILESTONES							
Complete: Designated Portion of Work							
Subtotal		1	764	-100	22AUG07A	23SEP09	22AUG07A
L4TM101010	Allowed Days: "Designated Portion of Work" (650)	1	650*	0	22AUG07A	01JUN09	22AUG07A
L4TM101000	Begin Working Days	1	0		22AUG07A		22AUG07A
L4TM101020	Weather or Other Days (WSWD Report #053)	1	14	0	02JUN09	15JUN09	02JUN09
L4TM101040	Extended Date for Contract Completion (DP Work)	1	0	0		15JUN09	
L4TM101060	Project Impact HammockDesignated Portion of Work	1	100*	-100	16JUN09	23SEP09	16JUN09
L4TM101030	CCO Days	1	0	0	16JUN09	15JUN09	16JUN09
L4TM101050	Begin Project Impact: Designated Portion of Work	1	0	0	16JUN09		16JUN09
Complete: All Contract Work							
Subtotal		1	330	-170	16JUN09	11MAY10	16JUN09
L4TM201010	Allowed Days: All "Contract Work" (810 total)	1	160	0	16JUN09	22NOV09	16JUN09
L4TM201040	Extended Date for Contract Completion (Contract)	1	0	0		22NOV09	
L4TM201060	Project Impact Hammock "Contract Work"	1	170*	-170	23NOV09	11MAY10	23NOV09
L4TM201050	Begin Project Impact "Contract Work"	1	0	0	23NOV09		23NOV09
MILESTONES							
MILESTONES							
INTERNAL MILESTONES							
Subtotal		1	994	0	22AUG07A	11MAY10	22AUG07A
L4GEN00010	Contract First Working Day	1	0		22AUG07A		22AUG07A
L4GEN00020	Roadway Lighting Assembly Accept - Contract Date	1	0	-227		14JAN09	
L4GEN00030	Roadway Lighting Assembly Forecast Complete	1	0	-227		14JAN09	
L4GEN00130	WB Bridge Open 8.0 M Access Lane (Flag Activity)	1	0	-119		15AUG09	
L4GEN00070	State Owned Float, Designated Portion of Work	1	9	-100	15SEP09	23SEP09	07JUN09
L4GEN00040	Designated Portion of Work - Contract Date	1	0	-100		23SEP09	
L4GEN00050	Designated Portion of Work Forecast Complete	1	0	-100		23SEP09	
L4GEN00060	MCM Float on Designated Portion of Work	1	0	-100	24SEP09	23SEP09	16JUN09
L4GEN00045	Actual Timeline Between DP & CW (Hammock)	1	230*	0	24SEP09	11MAY10	12MAY10
L4GEN00041	Begin Timeline Between DP & CW (Start Milestone)	1	0	230	24SEP09		12MAY10
L4GEN00080	Contract Completion Date	1	0	-170		11MAY10	
L4GEN00090	Forecast Contract Completion	1	0	-170		11MAY10	
L4GEN00110	State Owned Float to Contract Completion	1	1	-170	11MAY10	11MAY10	22NOV09
L4GEN00100	MCM Float to Contract Completion	1	0	-170	12MAY10	11MAY10	23NOV09
EXTERNAL MILESTONES							
Subtotal		1	0			01JAN08A	
L4GEN00120	25kV Submarine Cable Relocated	1	0			01JAN08A	
ADMINISTRATIVE							
GENERAL ACTIVITIES							
GENERAL ACTIVITIES							
Subtotal		1	994	-170	22AUG07A	11MAY10	22AUG07A
L4ADM00110	Pay Time Related Overhead	1	994*	-170	22AUG07A	11MAY10	22AUG07A
L4ADM00180	Electronic Mobile Daily Diary System	1	994*	-170	22AUG07A	11MAY10	22AUG07A
L4ADM00220	Pay Water Pollution Control Item	1	994*	-170	22AUG07A	11MAY10	22AUG07A
L4ADM00170	Maintain Document Management System	1	810*	14	22AUG07A	08NOV09	22AUG07A
L4ADM00160	Furnish Document Management System Incl Training	1	30		22AUG07A	15NOV07A	22AUG07A



Start Date	22AUG07
Finish Date	11MAY10
Data Date	21AUG08
Run Date	25SEP08 16:54

Early Bar
Progress Bar
Critical Activity

MCM Construction, Inc.

Copy: T12A - Add SJ back and FW link

Schedule: T12B
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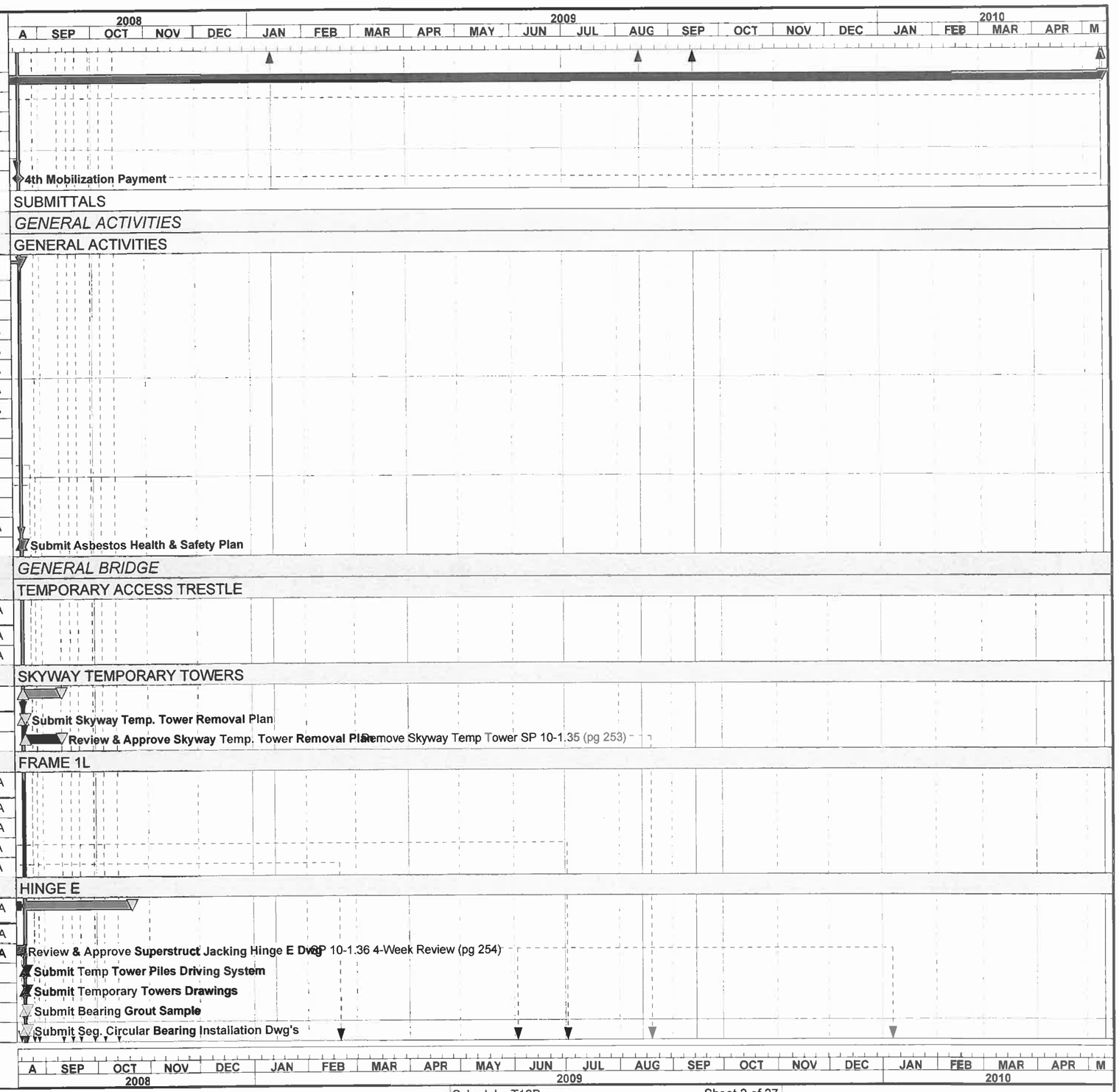
Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4ADM00190	Accept Interim Baseline Schedule	1	25		25AUG07A	10SEP07A	25AUG07A
L4ADM00210	Accept Monthly Update Progress Schedules	1	975*	-170	10SEP07A	11MAY10	10SEP07A
L4ADM00200	Accept Baseline Schedule	1	35		10SEP07A	19OCT07A	10SEP07A
L4ADM00120	1st Mobilization Payment	1	0			20OCT07A	
L4ADM00130	2nd Mobilization Payment	1	0			20FEB08A	
L4ADM00140	3rd Mobilization Payment	1	0			20MAY08A	
L4ADM00150	4th Mobilization Payment	1	0	459		20AUG08	
SUBMITTALS							
GENERAL ACTIVITIES							
GENERAL ACTIVITIES							
Subtotal		1	394	-18	25JUL07A	21AUG08	25JUL07A
L4SUB00100	Submit SWPP Plan	1	1		25JUL07A	25JUL07A	25JUL07A
L4SUB00110	Review & Approve SWPP Plan	1	50		26JUL07A	08NOV07A	26JUL07A
L4SUB00190	Submit Survey Plan	1	1		24AUG07A	24AUG07A	24AUG07A
L4SUB00120	Submit Turbidity Control Plan	1	1		28AUG07A	28AUG07A	28AUG07A
L4SUB00130	Review & Approve Turbidity Control Plan	1	15		29AUG07A	24OCT07A	29AUG07A
L4SUB00140	Submit Dewatering Plan	1	1		29AUG07A	29AUG07A	29AUG07A
L4SUB00150	Review & Approve Dewatering Plan	1	45		30AUG07A	13MAR08A	30AUG07A
L4SUB00200	Review & Approve Survey Plan	1	15		01SEP07A	10SEP07A	01SEP07A
L4SUB00105	Re-Submit SWPP Plan (Rev 002)	1	1		11SEP07A	11SEP07A	11SEP07A
L4SUB00160	Submit Health & Safety Plan	1	1		11SEP07A	11SEP07A	11SEP07A
L4SUB00170	Review & Accept Health & Safety Plan	1	15		12SEP07A	16OCT07A	12SEP07A
L4SUB00205	Re-Submit SWPP Plan (Rev 003)	1	1		25SEP07A	25SEP07A	25SEP07A
L4SUB00305	Re-Submit SWPP Plan (Rev 004 pending)	1	1		25OCT07A	25OCT07A	25OCT07A
L4SUB00180	Submit Asbestos Health & Safety Plan	1	1	-18	21AUG08	21AUG08	03AUG08
GENERAL BRIDGE							
TEMPORARY ACCESS TRESTLE							
Subtotal		1	94		08AUG07A	09NOV07A	08AUG07A
L4SUB00220	Review & Approve Temporary Trestle Plan	1	50		08AUG07A	09NOV07A	08AUG07A
L4SUB00210	Submit Temporary Trestle Plan	1	1		09AUG07A	09AUG07A	09AUG07A
SKYWAY TEMPORARY TOWERS							
Subtotal		1	22	339	21AUG08	11SEP08	26JUL09
L4SUB00820	Submit Skyway Temp. Tower Removal Plan	1	1	339	21AUG08	21AUG08	26JUL09
L4SUB00830	Review & Approve Skyway Temp. Tower Removal Plan	1	21	339	22AUG08	11SEP08	27JUL09
FRAME 1L							
Subtotal		1	229		17DEC07A	01AUG08A	17DEC07A
L4SUB00450	Test Frame EB1 & WB1 Concrete, Elastic Modulus	1	90		17DEC07A	17MAR08A	17DEC07A
L4SUB00460	Test Frame EB1 & WB1 Concrete, Creep & Shrinkage	1	180*		17DEC07A	13JUN08A	17DEC07A
L4SUB00470	Engineer Review of EB1 & WB1 Concrete Tests	1	25		14JUN08A	15JUL08A	14JUN08A
L4SUB00440	Prequalify Frame 1 EB&WB Superstruct Conc 45 MPa	1	42		21JUN08A	01AUG08A	21JUN08A
HINGE E							
Subtotal		1	78	209	05AUG08A	21OCT08	05AUG08A
L4SUB00600	Submit Superstructure Jacking @ Hinge E Drawings	1	1		05AUG08A	05AUG08A	05AUG08A
L4SUB00610	Review & Approve Superstruct Jacking Hinge E Dwg	1	28		06AUG08A	18AUG08A	06AUG08A
L4SUB00560	Submit Temp Tower Piles Driving System	1	1	-106	21AUG08	21AUG08	07MAY08
L4SUB00540	Submit Temporary Towers Drawings	1	1	-104	21AUG08	21AUG08	09MAY08
L4SUB00640	Submit Bearing Grout Sample	1	1	176	21AUG08	21AUG08	13FEB09
L4SUB00620	Submit Seg. Circular Bearing Installation Dwg's	1	1	201	21AUG08	21AUG08	10MAR09



Start Date	22AUG07
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Early Bar
Progress Bar
Critical Activity

MCM Construction, Inc.

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Filter: All

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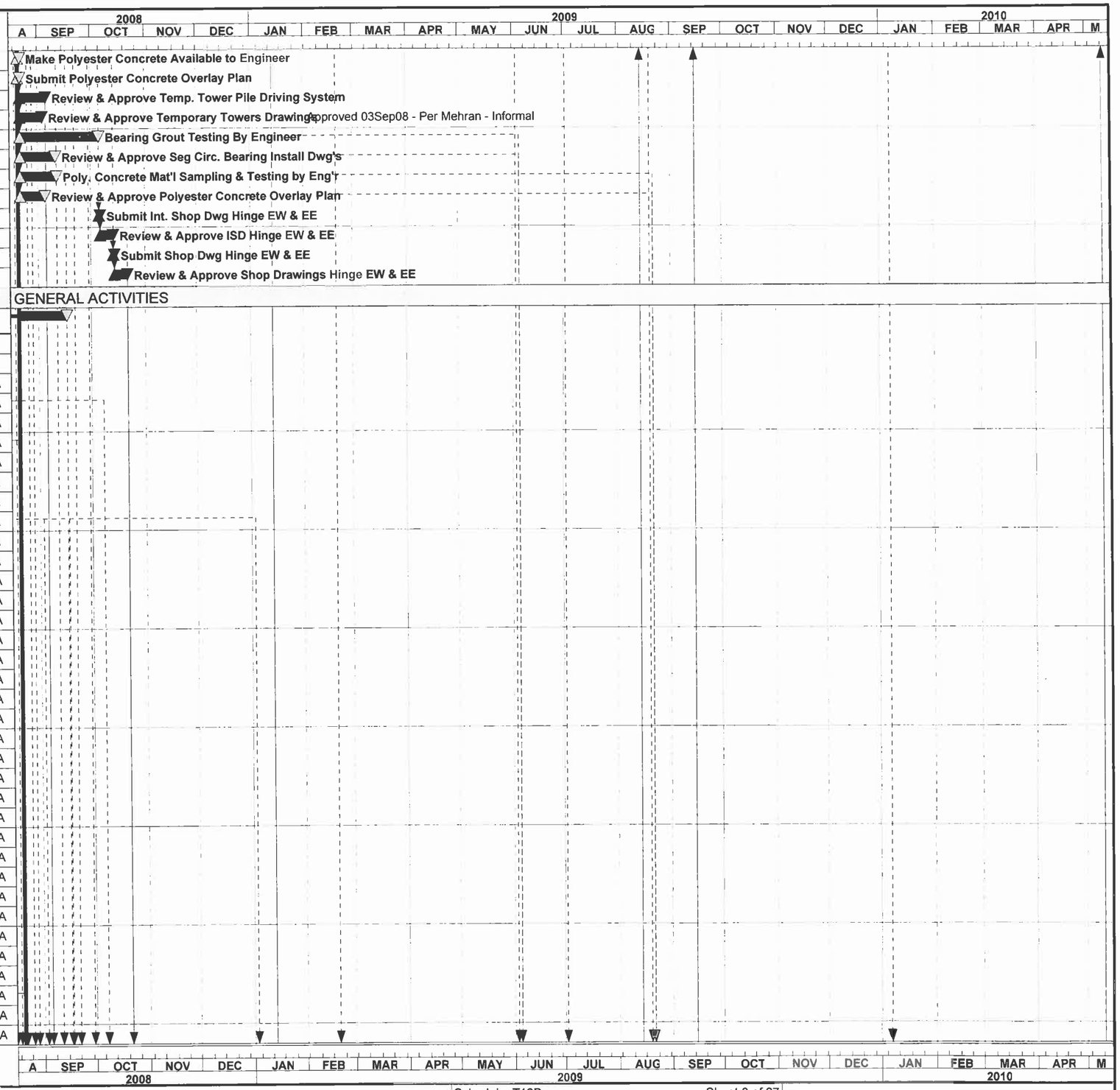
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4SUB00740	Make Polyester Concrete Available to Engineer	1	1	249	21AUG08	21AUG08	27APR09
L4SUB00720	Submit Polyester Concrete Overlay Plan	1	1	256	21AUG08	21AUG08	04MAY09
L4SUB00570	Review & Approve Temp. Tower Pile Driving System	1	15	-106	22AUG08	05SEP08	08MAY08
L4SUB00550	Review & Approve Temporary Towers Drawings	1	13	-104	22AUG08	03SEP08	10MAY08
L4SUB00650	Bearing Grout Testing By Engineer	1	45	176	22AUG08	05OCT08	14FEB09
L4SUB00630	Review & Approve Seg Circ. Bearing Install Dwg's	1	20	201	22AUG08	10SEP08	11MAR09
L4SUB00750	Poly. Concrete Mat'l Sampling & Testing by Eng'r	1	21	249	22AUG08	11SEP08	28APR09
L4SUB00730	Review & Approve Polyester Concrete Overlay Plan	1	14	256	22AUG08	04SEP08	05MAY09
L4SUB00500	Submit Int. Shop Dwg Hinge EW & EE	1	1	-148	06OCT08*	06OCT08	11MAY08
L4SUB00510	Review & Approve ISD Hinge EW & EE	1	7	-148	07OCT08	13OCT08	12MAY08
L4SUB02150	Submit Shop Dwg Hinge EW & EE	1	1	-148	14OCT08	14OCT08	19MAY08
L4SUB02160	Review & Approve Shop Drawings Hinge EW & EE	1	7	-148	15OCT08	21OCT08	20MAY08
GENERAL ACTIVITIES							
Subtotal		1	432	177	13JUL07A	16SEP08	13JUL07A
L4SUB00520	Submit Column Pipe Key Assy Shop Drawings	1	1		13JUL07A	13JUL07A	13JUL07A
L4SUB00530	Review & Approve Column PipeKey Assy Drawings	1	20		14JUL07A	20MAR08A	14JUL07A
L4SUB00380	Submit Concrete Mix Designs	1	1		23AUG07A	23AUG07A	23AUG07A
L4SUB00390	Review & Approve Concrete Mix Designs	1	7		24AUG07A	11JAN08A	24AUG07A
L4SUB00230	Submit Steel Pile Fabricator Welding QCP	1	1		25AUG07A	25AUG07A	25AUG07A
L4SUB00240	Review & Approve Steel Pile Fab Welding QCP	1	14		26AUG07A	06MAR08A	26AUG07A
L4SUB00245	Conditional Approval of Steel Pile Welding	1	14		26AUG07A	03NOV07A	26AUG07A
L4SUB00370	Submit Headed Rebar Quality Control Manual	1	1		13SEP07A	13SEP07A	13SEP07A
L4SUB00330	Submit Vibration Monitoring Plan	1	1		14SEP07A	14SEP07A	14SEP07A
L4SUB00340	Review & Approve Vibration Monitoring Plan	1	21		15SEP07A	25APR08A	15SEP07A
L4SUB00250	Submit Field Welding QCP	1	1		25SEP07A	25SEP07A	25SEP07A
L4SUB00260	Review & Approve Field Welding QCP	1	14		26SEP07A	07FEB08A	26SEP07A
L4SUB00413	Pier Footings - Trial Batch 28d Break	1	28		06OCT07A	02NOV07A	06OCT07A
L4SUB00414	Pier Footings - Trial Batch 56 d Break	1	56		06OCT07A	30NOV07A	06OCT07A
L4SUB00423	Pier Pedistals - Trial Batch 28d Break	1	28		06OCT07A	02NOV07A	06OCT07A
L4SUB00424	Pier Pedistals - Trial Batch 56d Break	1	56		06OCT07A	11JAN08A	06OCT07A
L4SUB00411	Pier Footings - Submit Mix Design	1	1		08OCT07A	08OCT07A	08OCT07A
L4SUB00421	Pier Pedistals - Submit Mix Design	1	1		08OCT07A	08OCT07A	08OCT07A
L4SUB00412	Pier Footings - Review and Approve Mix Design	1	12		09OCT07A	19OCT07A	09OCT07A
L4SUB00422	Pier Pedistals - Review and Approve Mix Design	1	11		09OCT07A	19OCT07A	09OCT07A
L4SUB00290	Submit Pile Template & Handling Plan	1	1		11OCT07A	11OCT07A	11OCT07A
L4SUB00300	Review & Approve Pile Template & Handling Plan	1	50		12OCT07A	26OCT07A	12OCT07A
L4SUB00270	Submit Pile Shear Ring Assembly Shop Drawings	1	1		16OCT07A	16OCT07A	16OCT07A
L4SUB00280	Review & Approve Shear Ring Assy. Shop Drawings	1	20		17OCT07A	22OCT07A	17OCT07A
L4SUB00350	Submit Hoop Ult. Butt Splice Prequal. Report	1	1		25OCT07A	25OCT07A	25OCT07A
L4SUB00360	Review & Approve Hoop Splice Prequal. Report	1	14		26OCT07A	02NOV07A	26OCT07A
L4SUB00400	Prequalify CISS Pile Concrete, 35 MPa	1	42		01NOV07A	13DEC07A	01NOV07A
L4SUB00480	Submit Mass Concrete Thermal Control Plan	1	1		02NOV07A	02NOV07A	02NOV07A
L4SUB00490	Review & Approve Mass Conc. Thermal Control Plan	1	20		03NOV07A	20NOV07A	03NOV07A
L4SUB00310	Submit Bridge Pile Driving System Submittal	1	1		06NOV07A	06NOV07A	06NOV07A
L4SUB00320	Review & Approve Bridge Pile Driving System	1	20		07NOV07A	10DEC07A	07NOV07A
L4SUB00430	Prequalify Col./Abut Conc., 32 Mpa to 42 MPa max	1	42		10DEC07A	28DEC07A	10DEC07A
L4SUB00580	Submit Deck Drainage System Shop Drawing	1	1		04APR08A	04APR08A	04APR08A
L4SUB00590	Review & Approve Deck Drainage System Shop Dwg's	1	20		05APR08A	21APR08A	05APR08A
L4SUB00585	Re-Submit Deck Drainage System Shop Drawing	1	1		15MAY08A	15MAY08A	15MAY08A
L4SUB00595	Re-Review & App Deck Drainage System Shop Dwg's	1	20		15MAY08A	19JUN08A	15MAY08A



Start Date 22AUG07
Finish Date 11MAY10
Data Date 21AUG08
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Early Bar
Progress Bar
Critical Activity

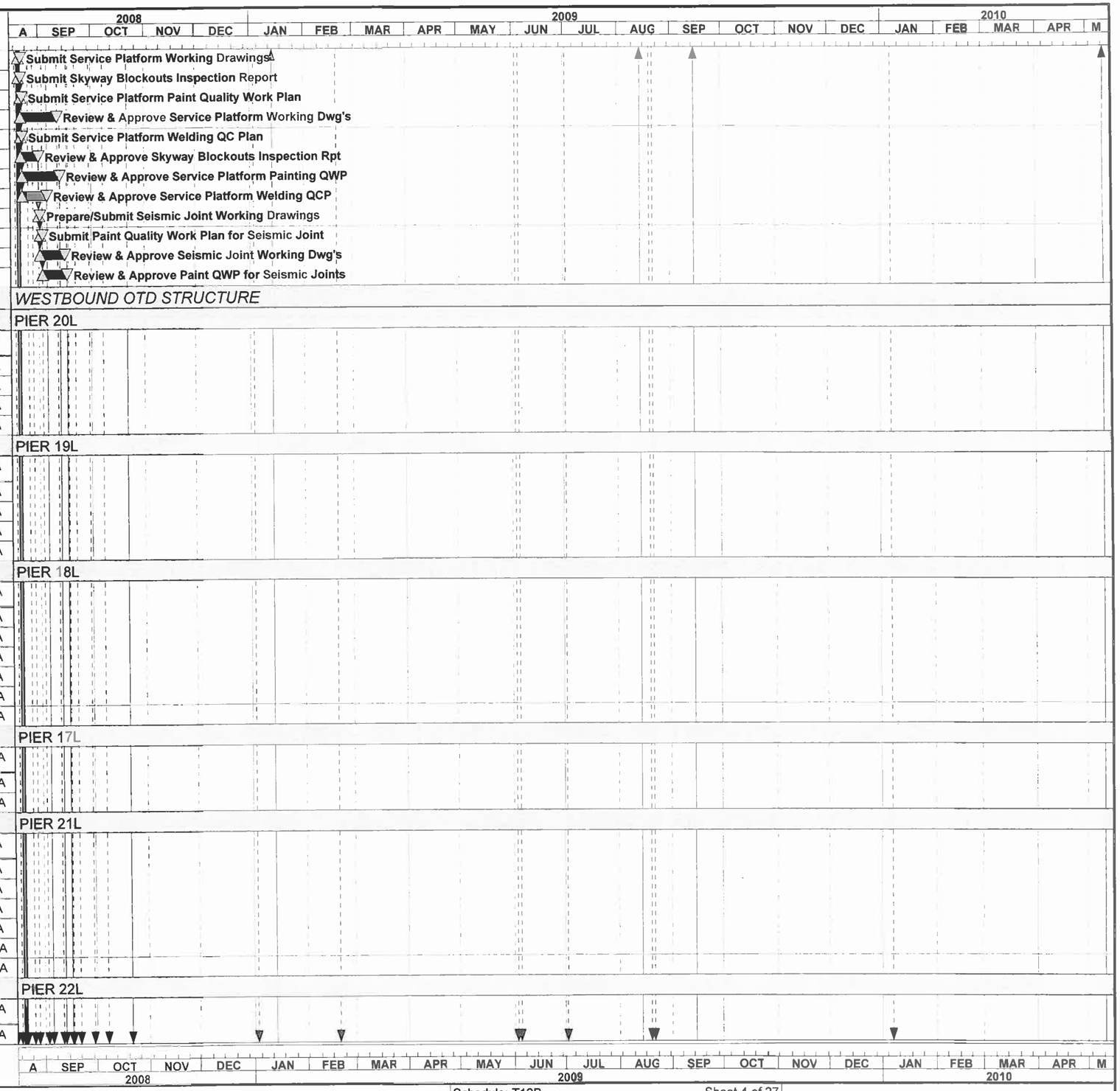
MCM Construction, Inc.

Copy: T12A - Add SJ back and FW link

Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4SUB00760	Submit Service Platform Working Drawings	1	1	2	21AUG08	21AUG08	23AUG08
L4SUB00660	Submit Skyway Blockouts Inspection Report	1	1	177	21AUG08	21AUG08	14FEB09
L4SUB00800	Submit Service Platform Paint Quality Work Plan	1	1	2	22AUG08	22AUG08	24AUG08
L4SUB00770	Review & Approve Service Platform Working Dwg's	1	21	3	22AUG08	11SEP08	25AUG08
L4SUB00780	Submit Service Platform Welding QC Plan	1	1	9	22AUG08	22AUG08	31AUG08
L4SUB00670	Review & Approve Skyway Blockouts Inspection Rpt	1	10	177	22AUG08	31AUG08	15FEB09
L4SUB00810	Review & Approve Service Platform Painting QWP	1	21	2	23AUG08	12SEP08	25AUG08
L4SUB00790	Review & Approve Service Platform Welding QCP	1	14	9	23AUG08	05SEP08	01SEP08
L4SUB00680	Prepare/Submit Seismic Joint Working Drawings	1	1	177	01SEP08	01SEP08	25FEB09
L4SUB00700	Submit Paint Quality Work Plan for Seismic Joint	1	1	177	02SEP08	02SEP08	26FEB09
L4SUB00690	Review & Approve Seismic Joint Working Dwg's	1	14	178	02SEP08	15SEP08	27FEB09
L4SUB00710	Review & Approve Paint QWP for Seismic Joints	1	14	177	03SEP08	16SEP08	27FEB09
WESTBOUND OTD STRUCTURE							
PIER 20L							
Subtotal		1	70		12OCT07A	20DEC07A	12OCT07A
L4SUB00930	Submit Cofferdam Plan Pier E20L	1	1		12OCT07A	12OCT07A	12OCT07A
L4SUB00940	Review & Approve Cofferdam Plan Pier E20L	1	28		13OCT07A	30NOV07A	13OCT07A
L4SUB01060	Submit Int. Shop Dwg Pier Ftg E20L	1	1		07NOV07A	07NOV07A	07NOV07A
L4SUB01070	Review & Approve ISD Pier Ftg. E20L	1	56		08NOV07A	20DEC07A	08NOV07A
PIER 19L							
Subtotal		1	71		11OCT07A	20DEC07A	11OCT07A
L4SUB00910	Submit Cofferdam Plan Pier E19L & E17L	1	1		11OCT07A	11OCT07A	11OCT07A
L4SUB01040	Submit Int. Shop Dwg Pier Ftg E19L & E17L	1	1		12OCT07A	12OCT07A	12OCT07A
L4SUB00920	Review & Approve Cofferdam Plan Pier E19L & E17L	1	28		13OCT07A	30NOV07A	13OCT07A
L4SUB01050	Review & Approve ISD Pier Ftg E19L & E17L	1	56		21NOV07A	20DEC07A	21NOV07A
PIER 18L							
Subtotal		1	161		12OCT07A	20MAR08A	12OCT07A
L4SUB00950	Submit Cofferdam Plan Pier E18L	1	1		12OCT07A	12OCT07A	12OCT07A
L4SUB00960	Review & Approve Cofferdam Plan Pier E18L	1	28		13OCT07A	30NOV07A	13OCT07A
L4SUB01080	Submit Int. Shop Drawing Pier Footing, E18L	1	1		11DEC07A	11DEC07A	11DEC07A
L4SUB01090	Review & Approve ISD Pier Footing, E18L	1	56		12DEC07A	03JAN08A	12DEC07A
L4SUB01320	Submit Shop Drawing Pier Footing, E18L	1	1		17MAR08A	17MAR08A	17MAR08A
L4SUB01330	Review & Approve Shop Drawing Pier Footing, E18L	1	14		18MAR08A	20MAR08A	18MAR08A
PIER 17L							
Subtotal		1	16		17MAR08A	01APR08A	17MAR08A
L4SUB01400	Submit Column Guying Plan for E17L	1	1		17MAR08A	17MAR08A	17MAR08A
L4SUB01530	Review and Approve Column Guying Plan for E17L	1	30		18MAR08A	01APR08A	18MAR08A
PIER 21L							
Subtotal		1	75		28JAN08A	11APR08A	28JAN08A
L4SUB00970	Submit Cofferdam Plan Pier E21L & E22L	1	1		28JAN08A	28JAN08A	28JAN08A
L4SUB00980	Review & Approve Cofferdam Plan Pier E21L & E22L	1	28		29JAN08A	18FEB08A	29JAN08A
L4SUB01100	Submit Int. Shop Drawing Pier Footing, E21L	1	1		31JAN08A	31JAN08A	31JAN08A
L4SUB01110	Review & Approve ISD Pier Footing, E21L	1	56		01FEB08A	17MAR08A	01FEB08A
L4SUB01340	Submit Shop Drawing Pier Footing, E21L	1	1		27MAR08A	27MAR08A	27MAR08A
L4SUB01350	Review & Approve Shop Drawing Pier Footing, E21L	1	14		28MAR08A	11APR08A	28MAR08A
PIER 22L							
Subtotal		1	18		01APR08A	18APR08A	01APR08A
L4SUB01360	Submit Shop Drawing Pier Footing, E22L	1	1		01APR08A	01APR08A	01APR08A



Start Date 22AUG07
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Early Bar
Progress Bar
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MCM Construction, Inc.

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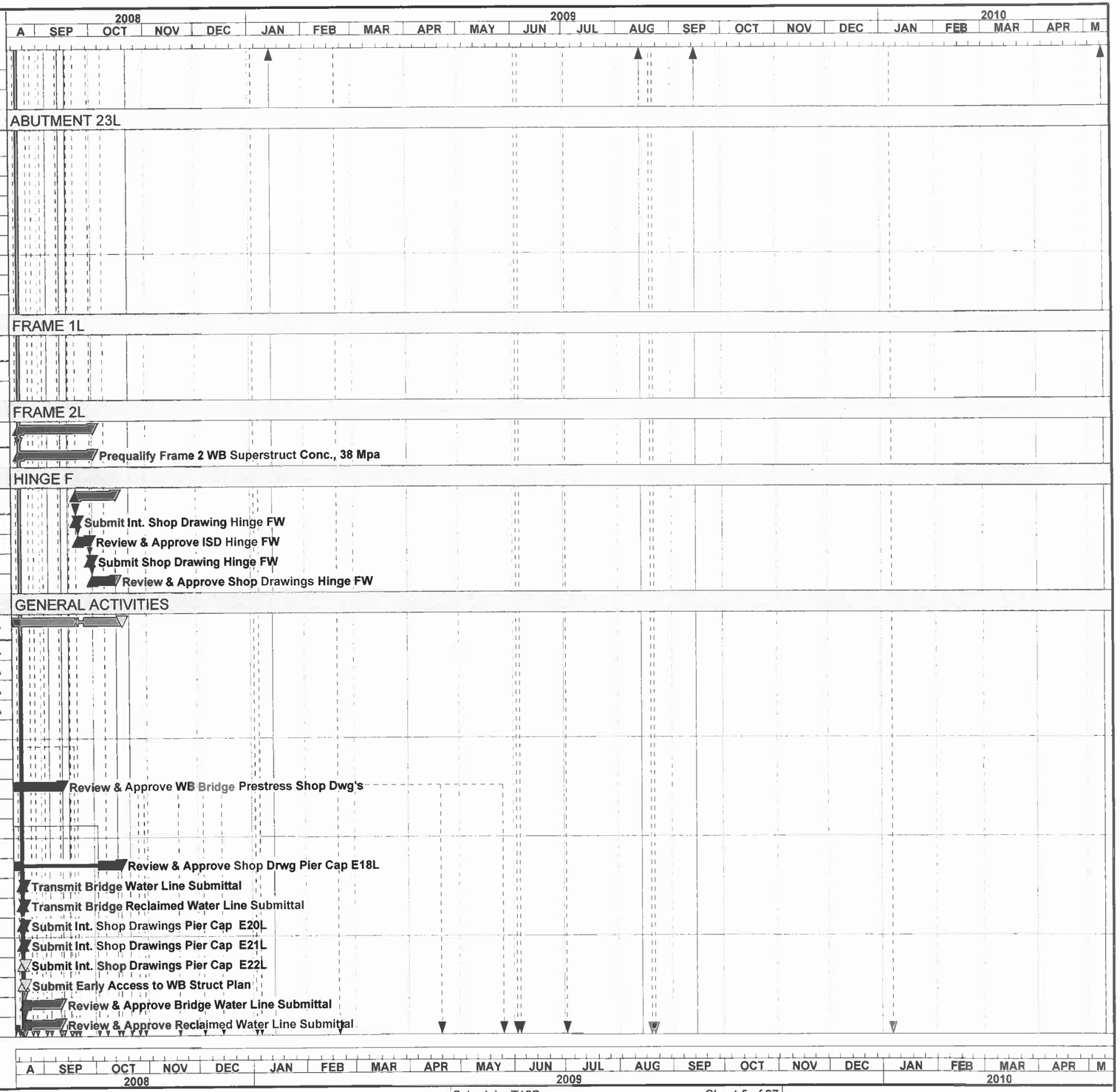
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4SUB01370	Review & Approve Shop Drawing Pier Footing, E22L	1	14		02APR08A	18APR08A	02APR08A
L4SUB01120	Submit Int. Shop Drawing Pier Footing, E22L	1	1		04APR08A	04APR08A	04APR08A
L4SUB01130	Review & Approve ISD Pier Footing, E22L	1	56		05APR08A	18APR08A	05APR08A
ABUTMENT 23L							
Subtotal		1	237		10OCT07A	02JUN08A	10OCT07A
L4SUB01010	Submit 610 MM Concrete Pile Drawings/Mix Design	1	1		10OCT07A	10OCT07A	10OCT07A
L4SUB01020	Review & Approve 610 MM Concrete Pile Submittal	1	7		11OCT07A	17OCT07A	11OCT07A
L4SUB00990	Submit Cofferdam Plan Abut. E23L	1	1		15NOV07A	15NOV07A	15NOV07A
L4SUB01000	Review & Approve Cofferdam Plan Abut. E23L	1	28		15NOV07A	20NOV07A	15NOV07A
L4SUB01220	Submit PTFE Spherical Bearing Shop Drawings	1	1		09APR08A	09APR08A	09APR08A
L4SUB01230	Review & Approve Spherical PTFE Bearing Drawings	1	42		10APR08A	02JUN08A	10APR08A
L4SUB01025	Submit 610 MM Concrete Pile Handling Plan	1	1		12MAY08A	12MAY08A	12MAY08A
L4SUB01035	Review & Approve 610 MM Concrete Pile Handling	1	14		13MAY08A	15MAY08A	13MAY08A
FRAME 1L							
Subtotal		1	29		07APR08A	05MAY08A	07APR08A
L4SUB04000	Submit WQCP for Column Pipe Keys	1	1		07APR08A	07APR08A	07APR08A
L4SUB04010	Review and Approve WQCP for Column Pipe Keys	1	30		08APR08A	05MAY08A	08APR08A
FRAME 2L							
Subtotal		1	42	-70	21AUG08	01OCT08	12JUN08
L4SUB01030	Prequalify Frame 2 WB Superstruct Conc., 38 Mpa	1	42	-70	21AUG08	01OCT08	12JUN08
HINGE F							
Subtotal		1	23	-150	22SEP08	14OCT08	25APR08
L4SUB01180	Submit Int. Shop Drawing Hinge FW	1	1	-150	22SEP08*	22SEP08	25APR08
L4SUB01190	Review & Approve ISD Hinge FW	1	7	-150	23SEP08	29SEP08	26APR08
L4SUB02130	Submit Shop Drawing Hinge FW	1	1	-150	30SEP08	30SEP08	03MAY08
L4SUB02140	Review & Approve Shop Drawings Hinge FW	1	14	-150	01OCT08	14OCT08	04MAY08
GENERAL ACTIVITIES							
Subtotal		1	346	182	07NOV07A	17OCT08	07NOV07A
L4SUB01140	Submit Int. Shop Dwg Col. Rebar Pen. Left Bridge	1	1		07NOV07A	07NOV07A	07NOV07A
L4SUB01150	Review & Approve ISD Col. Rebar Pen. Left Bridge	1	56		08NOV07A	20DEC07A	08NOV07A
L4SUB01200	Submit WB Bridge Falsework Plan: Frm 1	1	1		07MAY08A	07MAY08A	07MAY08A
L4SUB01210	Review & Approve WB Bridge Falsework Plan: Frm 1	1	35		08MAY08A	14MAY08A	08MAY08A
L4SUB01205	Submit WB Bridge Falsework Plan: Frm 2	1	1		06JUN08A	06JUN08A	06JUN08A
L4SUB01215	Review & Approve WB Bridge Falsework Plan: Frm 2	1	35		07JUN08A	07JUL08A	07JUN08A
L4SUB01240	Submit WB Bridge Prestressing Shop Drawings	1	1		09JUN08A	09JUN08A	09JUN08A
L4SUB01250	Review & Approve WB Bridge Prestress Shop Dwg's	1	42	-113	10JUN08A	12SEP08	10JUN08A
L4SUB01165	Submit Shop Drawings Pier Cap E19L	1	1		23JUL08A	23JUL08A	23JUL08A
L4SUB01175	Review & Approve Shop Drwg Pier Cap E19L	1	14		24JUL08A	05AUG08A	24JUL08A
L4SUB01193	Submit Shop Drawings Pier Cap E18L	1	1		28JUL08A	28JUL08A	28JUL08A
L4SUB01198	Review & Approve Shop Drwg Pier Cap E18L	1	14	-167	29JUL08A	16OCT08	29JUL08A
L4SUB01260	Transmit Bridge Water Line Submittal	1	1	-94	21AUG08	21AUG08	19MAY08
L4SUB01280	Transmit Bridge Reclaimed Water Line Submittal	1	1	-94	21AUG08	21AUG08	19MAY08
L4SUB15450	Submit Int. Shop Drawings Pier Cap E20L	1	1	-16	21AUG08	21AUG08	05AUG08
L4SUB15490	Submit Int. Shop Drawings Pier Cap E21L	1	1	-8	21AUG08	21AUG08	13AUG08
L4SUB15530	Submit Int. Shop Drawings Pier Cap E22L	1	1	12	21AUG08	21AUG08	02SEP08
L4SUB01300	Submit Early Access to WB Struct Plan	1	1	209	21AUG08	21AUG08	18MAR09
L4SUB01270	Review & Approve Bridge Water Line Submittal	1	20	-94	22AUG08	10SEP08	20MAY08
L4SUB01290	Review & Approve Reclaimed Water Line Submittal	1	20	-94	22AUG08	10SEP08	20MAY08



Start Date	22AUG07
Finish Date	11MAY10
Data Date	21AUG08
Run Date	25SEP08 16:54

Early Bar
Progress Bar
Critical Activity

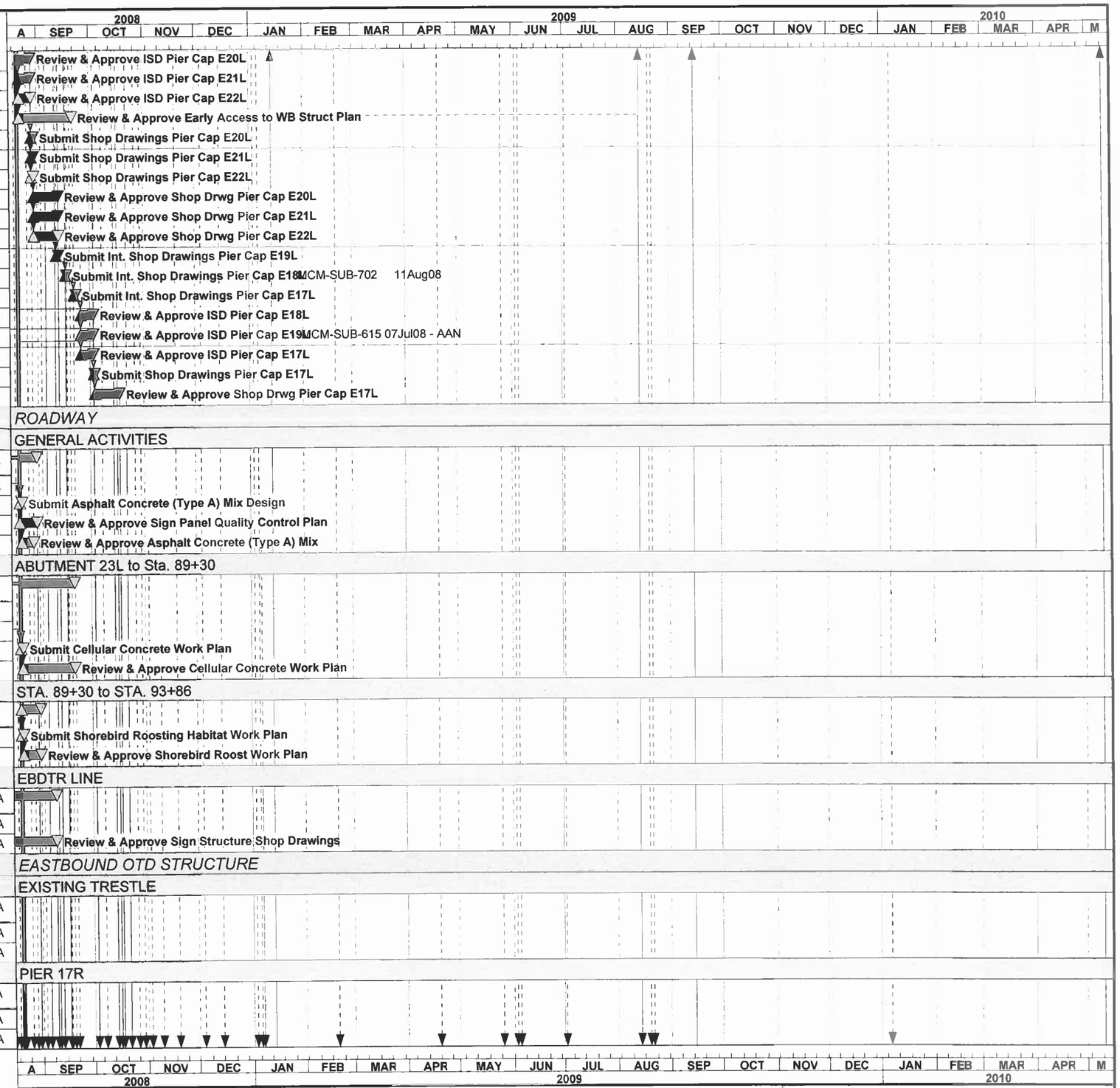
MCM Construction, Inc.

Copy: T12A - Add SJ back and FW link

Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4SUB15460	Review & Approve ISD Pier Cap E20L	1	7	-16	22AUG08	28AUG08	06AUG08
L4SUB15500	Review & Approve ISD Pier Cap E21L	1	7	-8	22AUG08	28AUG08	14AUG08
L4SUB15540	Review & Approve ISD Pier Cap E22L	1	7	12	22AUG08	28AUG08	03SEP08
L4SUB01310	Review & Approve Early Access to WB Struct Plan	1	30	209	22AUG08	20SEP08	19MAR09
L4SUB15470	Submit Shop Drawings Pier Cap E20L	1	1	-16	29AUG08	29AUG08	13AUG08
L4SUB15510	Submit Shop Drawings Pier Cap E21L	1	1	-8	29AUG08	29AUG08	21AUG08
L4SUB15550	Submit Shop Drawings Pier Cap E22L	1	1	12	29AUG08	29AUG08	10SEP08
L4SUB15480	Review & Approve Shop Drwg Pier Cap E20L	1	14	-16	30AUG08	12SEP08	14AUG08
L4SUB15520	Review & Approve Shop Drwg Pier Cap E21L	1	14	-8	30AUG08	12SEP08	22AUG08
L4SUB15560	Review & Approve Shop Drwg Pier Cap E22L	1	14	12	30AUG08	12SEP08	11SEP08
L4SUB01160	Submit Int. Shop Drawings Pier Cap E19L	1	1	-144	12SEP08*	12SEP08	21APR08
L4SUB01183	Submit Int. Shop Drawings Pier Cap E18L	1	1	-159	17SEP08*	17SEP08	11APR08
L4SUB01163	Submit Int. Shop Drawings Pier Cap E17L	1	1	-149	22SEP08*	22SEP08	26APR08
L4SUB01188	Review & Approve ISD Pier Cap E18L	1	7	-167	26SEP08*	02OCT08	12APR08
L4SUB01170	Review & Approve ISD Pier Cap E19L	1	7	-157	26SEP08*	02OCT08	22APR08
L4SUB01173	Review & Approve ISD Pier Cap E17L	1	7	-152	26SEP08*	02OCT08	27APR08
L4SUB01168	Submit Shop Drawings Pier Cap E17L	1	1	-152	03OCT08	03OCT08	04MAY08
L4SUB01178	Review & Approve Shop Drwg Pier Cap E17L	1	14	-152	04OCT08	17OCT08	05MAY08
ROADWAY							
GENERAL ACTIVITIES							
Subtotal		1	371	407	26AUG07A	30AUG08	26AUG07A
L4SUB01430	Submit Sign Panel Quality Control Plan	1	1		26AUG07A	26AUG07A	26AUG07A
L4SUB01510	Submit Asphalt Concrete (Type A) Mix Design	1	1	361	21AUG08	21AUG08	17AUG09
L4SUB01440	Review & Approve Sign Panel Quality Control Plan	1	10	407	21AUG08	30AUG08	02OCT09
L4SUB01520	Review & Approve Asphalt Concrete (Type A) Mix	1	7	361	22AUG08	28AUG08	18AUG09
ABUTMENT 23L to Sta. 89+30							
Subtotal		1	223	117	11FEB08A	20SEP08	11FEB08A
L4SUB01490	Submit Precast Wall Working Drawings	1	1		11FEB08A	11FEB08A	11FEB08A
L4SUB01500	Review & Approve Precast Wall Working Drawings	1	30		12FEB08A	18FEB08A	12FEB08A
L4SUB01470	Submit Cellular Concrete Work Plan	1	1	117	21AUG08	21AUG08	16DEC08
L4SUB01480	Review & Approve Cellular Concrete Work Plan	1	30	117	22AUG08	20SEP08	17DEC08
STA. 89+30 to STA. 93+86							
Subtotal		1	11	275	21AUG08	31AUG08	23MAY09
L4SUB01410	Submit Shorebird Roosting Habitat Work Plan	1	1	275	21AUG08	21AUG08	23MAY09
L4SUB01420	Review & Approve Shorebird Roost Work Plan	1	10	275	22AUG08	31AUG08	24MAY09
EBDTR LINE							
Subtotal		1	378	353	29AUG07A	09SEP08	29AUG07A
L4SUB01450	Submit Sign Structure Shop Drawings	1	1		29AUG07A	29AUG07A	29AUG07A
L4SUB01460	Review & Approve Sign Structure Shop Drawings	1	20	353	30AUG07A	09SEP08	30AUG07A
EASTBOUND OTD STRUCTURE							
EXISTING TRESTLE							
Subtotal		1	26		28APR08A	23MAY08A	28APR08A
L4SUB01870	Submit Mod. Plan of Exist Skyway Access Trestle	1	1		28APR08A	28APR08A	28APR08A
L4SUB01880	Review & Approve Exist Skyway Access Trestle Mod	1	20		29APR08A	23MAY08A	29APR08A
PIER 17R							
Subtotal		1	105		31JAN08A	14MAY08A	31JAN08A
L4SUB01690	Submit Int. Shop Dwg Pier Ftg E17R	1	1		31JAN08A	31JAN08A	31JAN08A
L4SUB01700	Review & Approve ISD Pier Ftg E17R	1	56		01FEB08A	18MAR08A	01FEB08A



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Early Bar
Progress Bar
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MCM Construction, Inc.

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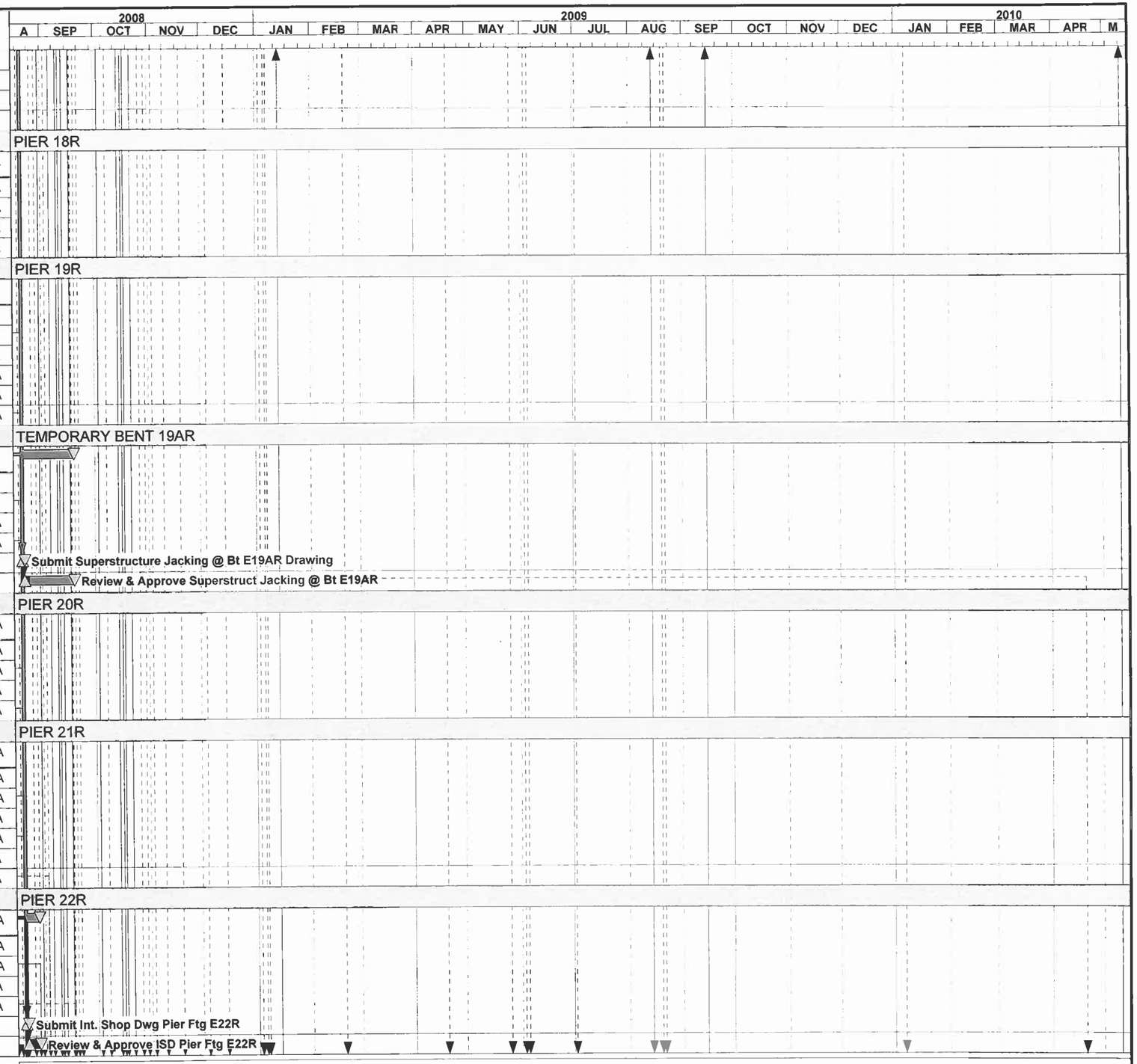
Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4SUB01380	Submit Shop Dwg Pier Ftg E17R	1	1		02MAY08A	02MAY08A	02MAY08A
L4SUB01390	Review & Approve Shop Drawing Pier Ftg E17R	1	14		03MAY08A	09MAY08A	03MAY08A
L4SUB01610	Submit Cofferdam Plan Pier E17R & E18R	1	1		13MAY08A	13MAY08A	13MAY08A
L4SUB01620	Review & Approve Cofferdam Plan E17R & E18R	1	28		14MAY08A	14MAY08A	14MAY08A
PIER 18R							
Subtotal		1	60		17MAR08A	15MAY08A	17MAR08A
L4SUB01710	Submit Int. Shop Dwg Pier Ftg E18R	1	1		17MAR08A	17MAR08A	17MAR08A
L4SUB01720	Review & Approve ISD Pier Ftg E18R	1	56		18MAR08A	06MAY08A	18MAR08A
L4SUB15300	Submit Shop Dwg Pier Ftg E18R	1	1		02MAY08A	02MAY08A	02MAY08A
L4SUB15400	Review & Approve Shop Drawing Pier Ftg E18R	1	14		03MAY08A	15MAY08A	03MAY08A
PIER 19R							
Subtotal		1	119		31JAN08A	28MAY08A	31JAN08A
L4SUB01730	Submit Int. Shop Dwg Pier Ftg E19R	1	1		31JAN08A	31JAN08A	31JAN08A
L4SUB01740	Review & Approve ISD Pier Ftg E19R	1	56		01FEB08A	09APR08A	01FEB08A
L4SUB01550	Submit Shop Dwg Pier Ftg E19R	1	1		30APR08A	30APR08A	30APR08A
L4SUB01630	Submit Cofferdam Plan Pier E19R & E20R	1	1		13MAY08A	13MAY08A	13MAY08A
L4SUB01640	Review & Approve Cofferdam Plan Pier E19R & E20R	1	28		14MAY08A	14MAY08A	14MAY08A
L4SUB01560	Review & Approve Shop Drawings Pier Ftg E19R	1	14		15MAY08A	28MAY08A	15MAY08A
TEMPORARY BENT 19AR							
Subtotal		1	260	425	03JAN08A	18SEP08	03JAN08A
L4SUB01930	Submit PTFE Bearings Paint Quality Work Plan	1	1		03JAN08A	03JAN08A	03JAN08A
L4SUB01940	Review & Approve PTFE Bearing Paint QWP	1	14		04JAN08A	22JUL08A	04JAN08A
L4SUB01910	Submit PTFE Bearing Shop Drawings, Temp Bt E19AR	1	1		09APR08A	09APR08A	09APR08A
L4SUB01920	Review & Approve PTFE Bearing Shop Drawings	1	42		10APR08A	01JUL08A	10APR08A
L4SUB02010	Submit Superstructure Jacking @ Bt E19AR Drawing	1	1	425	21AUG08	21AUG08	20OCT09
L4SUB02020	Review & Approve Superstruct Jacking @ Bt E19AR	1	28	425	22AUG08	18SEP08	21OCT09
PIER 20R							
Subtotal		1	95		04APR08A	07JUL08A	04APR08A
L4SUB01750	Submit Int. Shop Dwg Pier Ftg E20R	1	1		04APR08A	04APR08A	04APR08A
L4SUB01760	Review & Approve ISD Pier Ftg E20R	1	56		05APR08A	20MAY08A	05APR08A
L4SUB01570	Submit Shop Dwg Pier Ftg E20R	1	1		12JUN08A	12JUN08A	12JUN08A
L4SUB01580	Review & Approve Shop Drawing Pier Ftg E20R	1	14		13JUN08A	07JUL08A	13JUN08A
PIER 21R							
Subtotal		1	123		04APR08A	04AUG08A	04APR08A
L4SUB01770	Submit Int. Shop Dwg Pier Ftg E21R	1	1		04APR08A	04APR08A	04APR08A
L4SUB01780	Review & Approve ISD Pier Ftg E21R	1	56		05APR08A	20MAY08A	05APR08A
L4SUB01590	Submit Shop Dwg Pier Ftg E21R	1	1		12JUN08A	12JUN08A	12JUN08A
L4SUB01600	Review & Approve Shop Drawings Pier Ftg E21R	1	14		12JUN08A	26JUN08A	12JUN08A
L4SUB01650	Submit Cofferdam Plan Pier E21R	1	1		24JUL08A	24JUL08A	24JUL08A
L4SUB01660	Review & Approve Cofferdam Plan Pier E21R	1	28		25JUL08A	04AUG08A	25JUL08A
PIER 22R							
Subtotal		1	64	340	26JUN08A	28AUG08	26JUN08A
L4SUB02090	Submit Shop Dwg Pier Ftg E22R	1	1		26JUN08A	26JUN08A	26JUN08A
L4SUB02100	Review & Approve Shop Drawings Pier Ftg E22R	1	14		27JUN08A	10JUL08A	27JUN08A
L4SUB01670	Submit Cofferdam Plan Pier E22R	1	1		24JUL08A	24JUL08A	24JUL08A
L4SUB01680	Review & Approve Cofferdam Plan Pier E22R	1	28		25JUL08A	04AUG08A	25JUL08A
L4SUB01790	Submit Int. Shop Dwg Pier Ftg E22R	1	1	340	21AUG08	21AUG08	27JUL09
L4SUB01800	Review & Approve ISD Pier Ftg E22R	1	7	340	22AUG08	28AUG08	28JUL09



Start Date	22AUG07
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Early Bar
Progress Bar
Critical Activity

MCM Construction, Inc.

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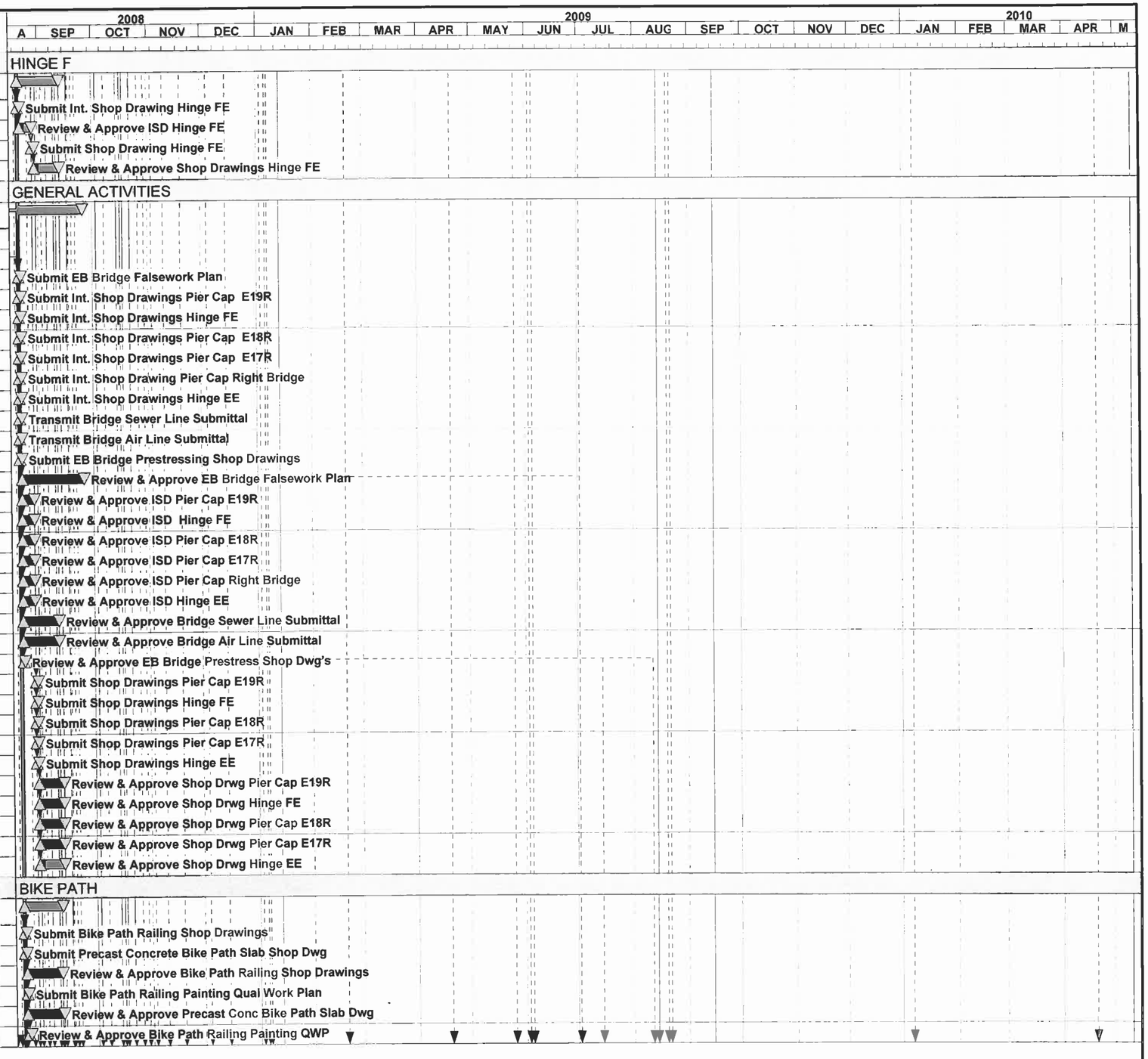
Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
HINGE F							
Subtotal		1	23	115	21AUG08	12SEP08	14DEC08
L4SUB01850	Submit Int. Shop Drawing Hinge FE	1	1	115	21AUG08	21AUG08	14DEC08
L4SUB01860	Review & Approve ISD Hinge FE	1	7	115	22AUG08	28AUG08	15DEC08
L4SUB02110	Submit Shop Drawing Hinge FE	1	1	115	29AUG08	29AUG08	22DEC08
L4SUB02120	Review & Approve Shop Drawings Hinge FE	1	14	115	30AUG08	12SEP08	23DEC08
GENERAL ACTIVITIES							
Subtotal		1	239	132	31JAN08A	25SEP08	31JAN08A
L4SUB01810	Submit Int. Shop Dwg Col. Rebar Pen. Right Brid	1	1		31JAN08A	31JAN08A	31JAN08A
L4SUB01820	Review & Approve ISD Col. Rebar Pen. Right Bridg	1	7		01FEB08A	09APR08A	01FEB08A
L4SUB01890	Submit EB Bridge Falsework Plan	1	1	81	21AUG08	21AUG08	10NOV08
L4SUB15690	Submit Int. Shop Drawings Pier Cap E19R	1	1	105	21AUG08	21AUG08	04DEC08
L4SUB15730	Submit Int. Shop Drawings Hinge FE	1	1	109	21AUG08	21AUG08	08DEC08
L4SUB15650	Submit Int. Shop Drawings Pier Cap E18R	1	1	112	21AUG08	21AUG08	11DEC08
L4SUB15610	Submit Int. Shop Drawings Pier Cap E17R	1	1	126	21AUG08	21AUG08	25DEC08
L4SUB01830	Submit Int. Shop Drawing Pier Cap Right Bridge	1	1	130	21AUG08	21AUG08	29DEC08
L4SUB15570	Submit Int. Shop Drawings Hinge EE	1	1	136	21AUG08	21AUG08	04JAN09
L4SUB01970	Transmit Bridge Sewer Line Submittal	1	1	144	21AUG08	21AUG08	12JAN09
L4SUB01990	Transmit Bridge Air Line Submittal	1	1	144	21AUG08	21AUG08	12JAN09
L4SUB01950	Submit EB Bridge Prestressing Shop Drawings	1	1	166	21AUG08	21AUG08	03FEB09
L4SUB01900	Review & Approve EB Bridge Falsework Plan	1	35	81	22AUG08	25SEP08	11NOV08
L4SUB15700	Review & Approve ISD Pier Cap E19R	1	7	105	22AUG08	28AUG08	05DEC08
L4SUB15740	Review & Approve ISD Hinge FE	1	7	109	22AUG08	28AUG08	09DEC08
L4SUB15660	Review & Approve ISD Pier Cap E18R	1	7	112	22AUG08	28AUG08	12DEC08
L4SUB15620	Review & Approve ISD Pier Cap E17R	1	7	126	22AUG08	28AUG08	26DEC08
L4SUB01840	Review & Approve ISD Pier Cap Right Bridge	1	7	130	22AUG08	28AUG08	30DEC08
L4SUB15580	Review & Approve ISD Hinge EE	1	7	136	22AUG08	28AUG08	05JAN09
L4SUB01980	Review & Approve Bridge Sewer Line Submittal	1	20	144	22AUG08	10SEP08	13JAN09
L4SUB02000	Review & Approve Bridge Air Line Submittal	1	20	144	22AUG08	10SEP08	13JAN09
L4SUB01960	Review & Approve EB Bridge Prestress Shop Dwg's	1	1	166	22AUG08	22AUG08	04FEB09
L4SUB15710	Submit Shop Drawings Pier Cap E19R	1	1	105	29AUG08	29AUG08	12DEC08
L4SUB15750	Submit Shop Drawings Hinge FE	1	1	109	29AUG08	29AUG08	16DEC08
L4SUB15670	Submit Shop Drawings Pier Cap E18R	1	1	112	29AUG08	29AUG08	19DEC08
L4SUB15630	Submit Shop Drawings Pier Cap E17R	1	1	126	29AUG08	29AUG08	02JAN09
L4SUB15590	Submit Shop Drawings Hinge EE	1	1	136	29AUG08	29AUG08	12JAN09
L4SUB15720	Review & Approve Shop Drwg Pier Cap E19R	1	14	105	30AUG08	12SEP08	13DEC08
L4SUB1560	Review & Approve Shop Drwg Hinge FE	1	14	109	30AUG08	12SEP08	17DEC08
L4SUB15680	Review & Approve Shop Drwg Pier Cap E18R	1	14	112	30AUG08	12SEP08	20DEC08
L4SUB15640	Review & Approve Shop Drwg Pier Cap E17R	1	14	126	30AUG08	12SEP08	03JAN09
L4SUB15600	Review & Approve Shop Drwg Hinge EE	1	14	136	30AUG08	12SEP08	13JAN09
BIKE PATH							
Subtotal		1	22	354	21AUG08	11SEP08	12APR09
L4SUB02050	Submit Bike Path Railing Shop Drawings	1	1	234	21AUG08	21AUG08	12APR09
L4SUB02030	Submit Precast Concrete Bike Path Slab Shop Dwg	1	1	354	21AUG08	21AUG08	10AUG09
L4SUB02060	Review & Approve Bike Path Railing Shop Drawings	1	20	234	22AUG08	10SEP08	13APR09
L4SUB02070	Submit Bike Path Railing Painting Qual Work Plan	1	1	252	22AUG08	22AUG08	01MAY09
L4SUB02040	Review & Approve Precast Conc Bike Path Slab Dwg	1	21	354	22AUG08	11SEP08	11AUG09
L4SUB02080	Review & Approve Bike Path Railing Painting QWP	1	1	252	23AUG08	23AUG08	02MAY09



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2008 2009 2010

Start Date 22AUG07
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Early Bar
Progress Bar
Critical Activity

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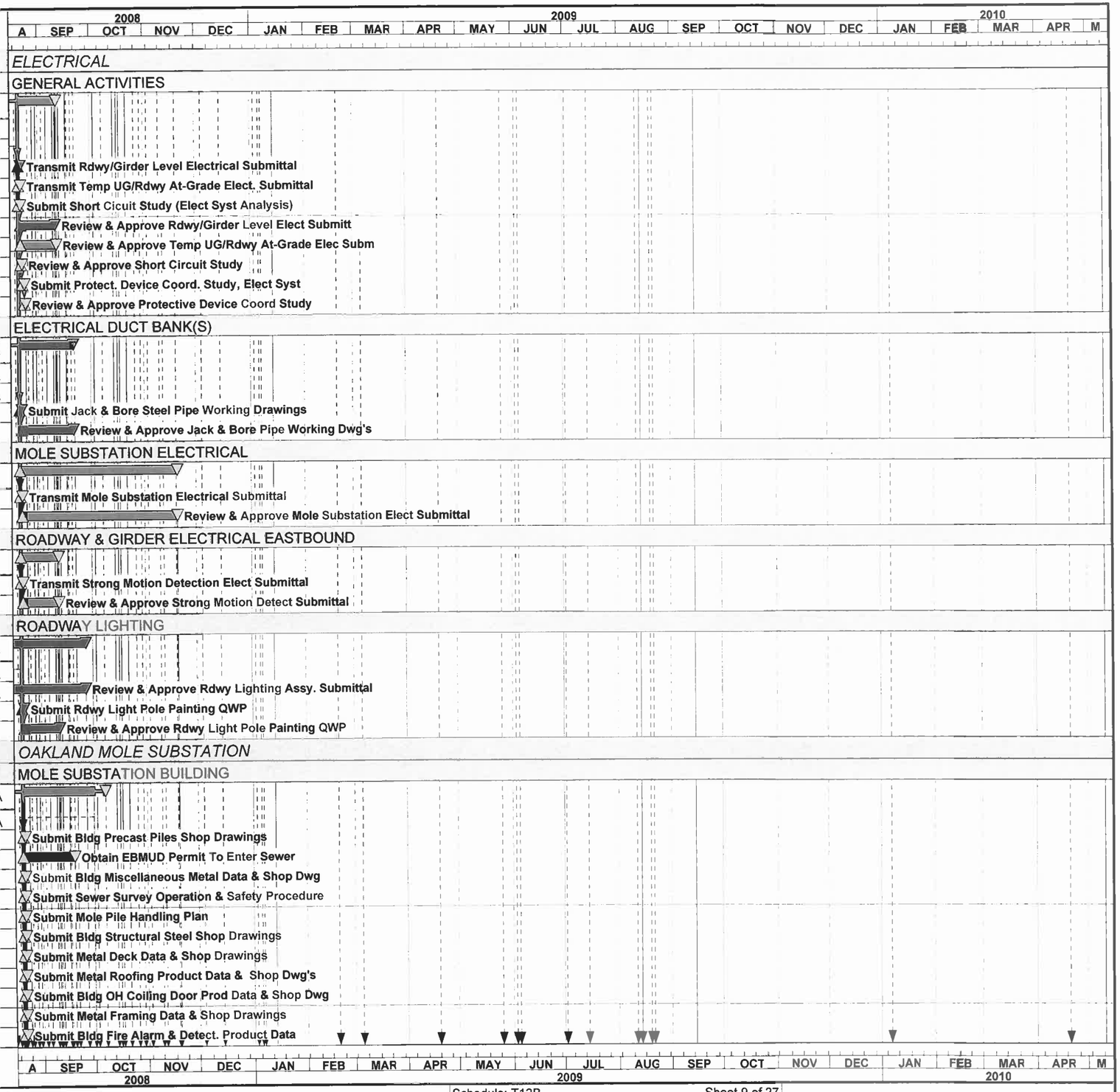
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
ELECTRICAL							
GENERAL ACTIVITIES							
Subtotal		1	336	433	12OCT07A	11SEP08	12OCT07A
L4SUB02430	Transmit SCADA Electrical Submittal	1	1		12OCT07A	12OCT07A	12OCT07A
L4SUB02440	Review & Approve SCADA Electrical Submittal	1	90		13OCT07A	04JAN08A	13OCT07A
L4SUB02370	Transmit Rdwy/Girder Level Electrical Submittal	1	1	-111	21AUG08	21AUG08	02MAY08
L4SUB02470	Transmit Temp UG/Rdwy At-Grade Elect. Submittal	1	1	161	21AUG08	21AUG08	29JAN09
L4SUB02490	Submit Short Cicuit Study (Elect Syst Analysis)	1	1	451	21AUG08	21AUG08	15NOV09
L4SUB02380	Review & Approve Rdwy/Girder Level Elect Submitt	1	20	-111	22AUG08	10SEP08	03MAY08
L4SUB02480	Review & Approve Temp UG/Rdwy At-Grade Elec Subm	1	21	161	22AUG08	11SEP08	30JAN09
L4SUB02500	Review & Approve Short Circuit Study	1	1	451	22AUG08	22AUG08	16NOV09
L4SUB02510	Submit Protect. Device Coord. Study, Elect Syst	1	1	451	23AUG08	23AUG08	17NOV09
L4SUB02520	Review & Approve Protective Device Coord Study	1	1	451	24AUG08	24AUG08	18NOV09
ELECTRICAL DUCT BANK(S)							
Subtotal		1	324	-47	02NOV07A	20SEP08	02NOV07A
L4SUB02390	Transmit UG/Rdwy At-Grade Electrical Submittal	1	1		02NOV07A	02NOV07A	02NOV07A
L4SUB02400	Review & Approve UG/Rdwy At-Grade Elect Submitta	1	20		03NOV07A	05NOV07A	03NOV07A
L4SUB02350	Submit Jack & Bore Steel Pipe Working Drawings	1	1	-47	21AUG08	21AUG08	05JUL08
L4SUB02360	Review & Approve Jack & Bore Pipe Working Dwg's	1	30	-47	22AUG08	20SEP08	06JUL08
MOLE SUBSTATION ELECTRICAL							
Subtotal		1	91	250	21AUG08	19NOV08	28APR09
L4SUB02410	Transmit Mole Substation Electrical Submittal	1	1	250	21AUG08	21AUG08	28APR09
L4SUB02420	Review & Approve Mole Substation Elect Submittal	1	90	250	22AUG08	19NOV08	29APR09
ROADWAY & GIRDER ELECTRICAL EASTBOUND							
Subtotal		1	22	290	21AUG08	11SEP08	07JUN09
L4SUB02450	Transmit Strong Motion Detection Elect Submittal	1	1	290	21AUG08	21AUG08	07JUN09
L4SUB02460	Review & Approve Strong Motion Detect Submittal	1	21	290	22AUG08	11SEP08	08JUN09
ROADWAY LIGHTING							
Subtotal		1	236	-227	04FEB08A	26SEP08	04FEB08A
L4SUB02310	Transmit Roadway Lighting Assembly Submittal	1	1		04FEB08A	04FEB08A	04FEB08A
L4SUB02320	Review & Approve Rdwy Lighting Assy. Submittal	1	45	-227	05FEB08A	26SEP08	05FEB08A
L4SUB02330	Submit Rdwy Light Pole Painting QWP	1	1	-212	21AUG08	21AUG08	22JAN08
L4SUB02340	Review & Approve Rdwy Light Pole Painting QWP	1	21	-212	22AUG08	11SEP08	23JAN08
OAKLAND MOLE SUBSTATION							
MOLE SUBSTATION BUILDING							
Subtotal		1	392	392	12SEP07A	07OCT08	12SEP07A
L4SUB02850	Submit Pre-Const. Photos of Exist Mole	1	1		12SEP07A	12SEP07A	12SEP07A
L4SUB02860	Submit Bldg Precast Piles Shop Drawings	1	1	272	21AUG08	21AUG08	20MAY09
L4SUB02810	Obtain EBMUD Permit To Enter Sewer	1	30	273	21AUG08	19SEP08	21MAY09
L4SUB02940	Submit Bldg Miscellaneous Metal Data & Shop Dwg	1	1	285	21AUG08	21AUG08	02JUN09
L4SUB02820	Submit Sewer Survey Operation & Safety Procedure	1	1	287	21AUG08	21AUG08	04JUN09
L4SUB02865	Submit Mole Pile Handling Plan	1	1	291	21AUG08	21AUG08	08JUN09
L4SUB02880	Submit Bldg Structural Steel Shop Drawings	1	1	301	21AUG08	21AUG08	18JUN09
L4SUB02900	Submit Metal Deck Data & Shop Drawings	1	1	306	21AUG08	21AUG08	23JUN09
L4SUB02960	Submit Metal Roofing Product Data & Shop Dwg's	1	1	312	21AUG08	21AUG08	29JUN09
L4SUB02980	Submit Bldg OH Coiling Door Prod Data & Shop Dwg	1	1	322	21AUG08	21AUG08	09JUL09
L4SUB02920	Submit Metal Framing Data & Shop Drawings	1	1	339	21AUG08	21AUG08	26JUL09
L4SUB03060	Submit Bldg Fire Alarm & Detect. Product Data	1	1	398	21AUG08	21AUG08	23SEP09



Start Date	22AUG07
Finish Date	11MAY10
Data Date	21AUG08
Run Date	25SEP08 16:54

Early Bar
Progress Bar
Critical Activity

MCM Construction, Inc.

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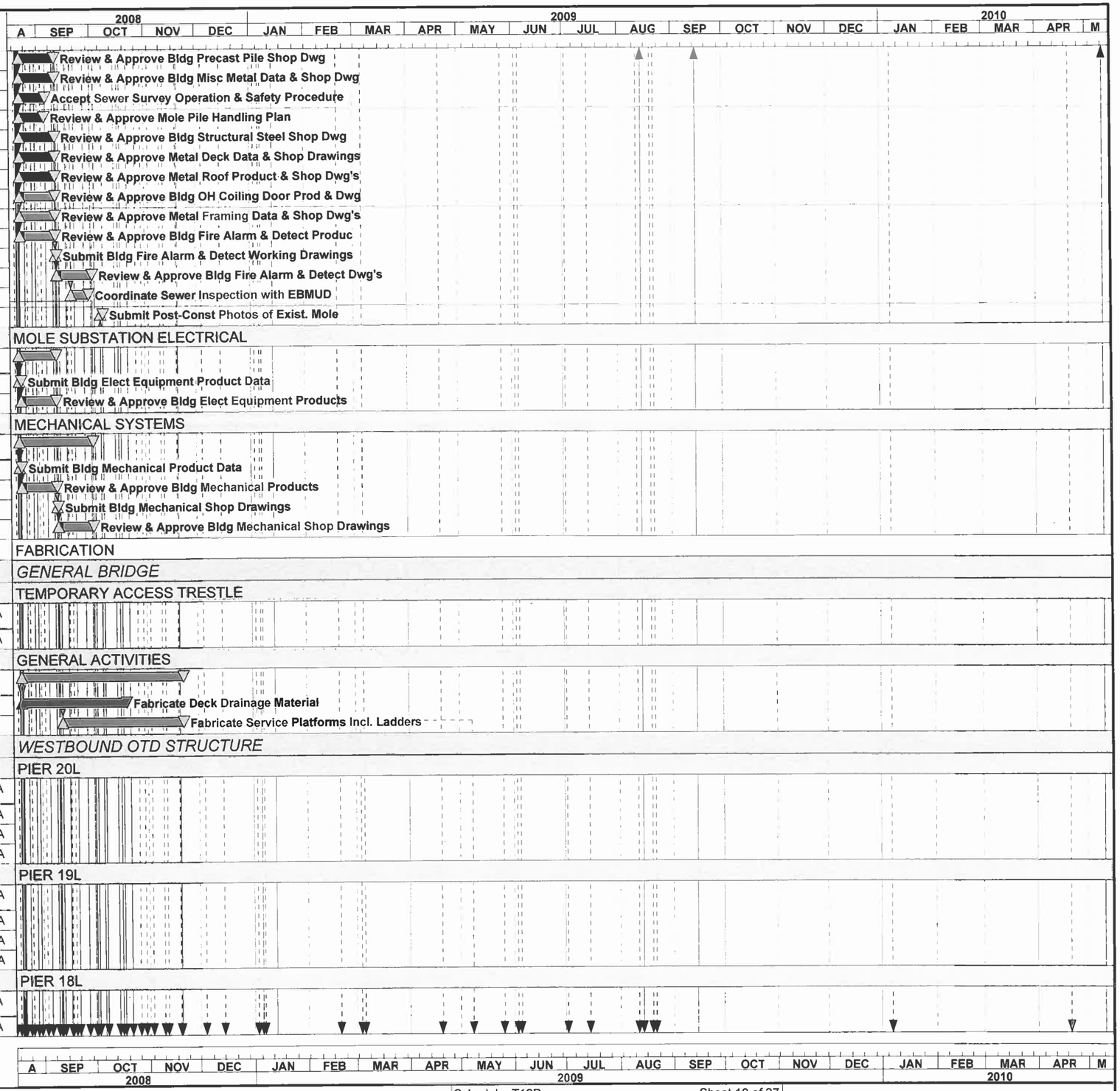
Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4SUB02870	Review & Approve Bldg Precast Pile Shop Dwg	1	20	272	22AUG08	10SEP08	21MAY09
L4SUB02950	Review & Approve Bldg Misc Metal Data & Shop Dwg	1	20	285	22AUG08	10SEP08	03JUN09
L4SUB02830	Accept Sewer Survey Operation & Safety Procedure	1	15	287	22AUG08	05SEP08	05JUN09
L4SUB02875	Review & Approve Mole Pile Handling Plan	1	14	291	22AUG08	04SEP08	09JUN09
L4SUB02890	Review & Approve Bldg Structural Steel Shop Dwg	1	20	301	22AUG08	10SEP08	19JUN09
L4SUB02910	Review & Approve Metal Deck Data & Shop Drawings	1	20	306	22AUG08	10SEP08	24JUN09
L4SUB02970	Review & Approve Metal Roof Product & Shop Dwg's	1	20	312	22AUG08	10SEP08	30JUN09
L4SUB02990	Review & Approve Bldg OH Coiling Door Prod & Dwg	1	20	322	22AUG08	10SEP08	10JUL09
L4SUB02930	Review & Approve Metal Framing Data & Shop Dwg's	1	20	339	22AUG08	10SEP08	27JUL09
L4SUB03070	Review & Approve Bldg Fire Alarm & Detect Produc	1	20	398	22AUG08	10SEP08	24SEP09
L4SUB03080	Submit Bldg Fire Alarm & Detect Working Drawings	1	1	398	11SEP08	11SEP08	14OCT09
L4SUB03090	Review & Approve Bldg Fire Alarm & Detect Dwg's	1	20	398	12SEP08	01OCT08	15OCT09
L4SUB02840	Coordinate Sewer Inspection with EBMUD	1	10	273	20SEP08	29SEP08	20JUN09
L4SUB02855	Submit Post-Const Photos of Exist. Mole	1	1	272	07OCT08	07OCT08	06JUL09
MOLE SUBSTATION ELECTRICAL							
Subtotal		1	21	320	21AUG08	10SEP08	07JUL09
L4SUB03040	Submit Bldg Elect Equipment Product Data	1	1	320	21AUG08	21AUG08	07JUL09
L4SUB03050	Review & Approve Bldg Elect Equipment Products	1	20	320	22AUG08	10SEP08	08JUL09
MECHANICAL SYSTEMS							
Subtotal		1	42	281	21AUG08	01OCT08	29MAY09
L4SUB03000	Submit Bldg Mechanical Product Data	1	1	281	21AUG08	21AUG08	29MAY09
L4SUB03010	Review & Approve Bldg Mechanical Products	1	20	281	22AUG08	10SEP08	30MAY09
L4SUB03020	Submit Bldg Mechanical Shop Drawings	1	1	281	11SEP08	11SEP08	19JUN09
L4SUB03030	Review & Approve Bldg Mechanical Shop Drawings	1	20	281	12SEP08	01OCT08	20JUN09
FABRICATION							
GENERAL BRIDGE							
TEMPORARY ACCESS TRESTLE							
Subtotal		1	60		01AUG07A	22DEC07A	01AUG07A
L4FAB00110	Fabricate Trestle Material	1	60		01AUG07A	22DEC07A	01AUG07A
GENERAL ACTIVITIES							
Subtotal		1	93	2	21AUG08	21NOV08	20MAY08
L4FAB00120	Fabricate Deck Drainage Material	1	60	-93	21AUG08	19OCT08	20MAY08
L4FAB00130	Fabricate Service Platforms Incl. Ladders	1	70	2	13SEP08	21NOV08	15SEP08
WESTBOUND OTD STRUCTURE							
PIER 20L							
Subtotal		1	106		01OCT07A	14JAN08A	01OCT07A
L4FAB00150	Fabricate 1.8 M Pipe Piles E20L, 8 ea.	2	44		01OCT07A	06DEC07A	01OCT07A
L4FAB00290	Fabricate/Test/Coat Rebar for E20L Footing Pour	1	40		01NOV07A	14JAN08A	01NOV07A
L4FAB00220	Fabricate Shear Rings E20L	1	14		21NOV07A	04DEC07A	21NOV07A
PIER 19L							
Subtotal		1	83		03DEC07A	23FEB08A	03DEC07A
L4FAB00280	Fabricate/Test/Coat Rebar for E19L Footing Pour	1	56		03DEC07A	23FEB08A	03DEC07A
L4FAB00210	Fabricate Shear Rings E19L	1	14		05DEC07A	14DEC07A	05DEC07A
L4FAB00140	Fabricate 1.8 M Pipe Piles E19L, 9 ea.	2	14		07DEC07A	18JAN08A	07DEC07A
PIER 18L							
Subtotal		1	78		25JAN08A	11APR08A	25JAN08A
L4FAB00230	Fabricate Shear Rings E18L	1	13		25JAN08A	05FEB08A	25JAN08A



Start Date 22AUG07
Finish Date 11MAY10
Data Date 21AUG08
Run Date 25SEP08 16:54

Early Bar
Progress Bar
Critical Activity

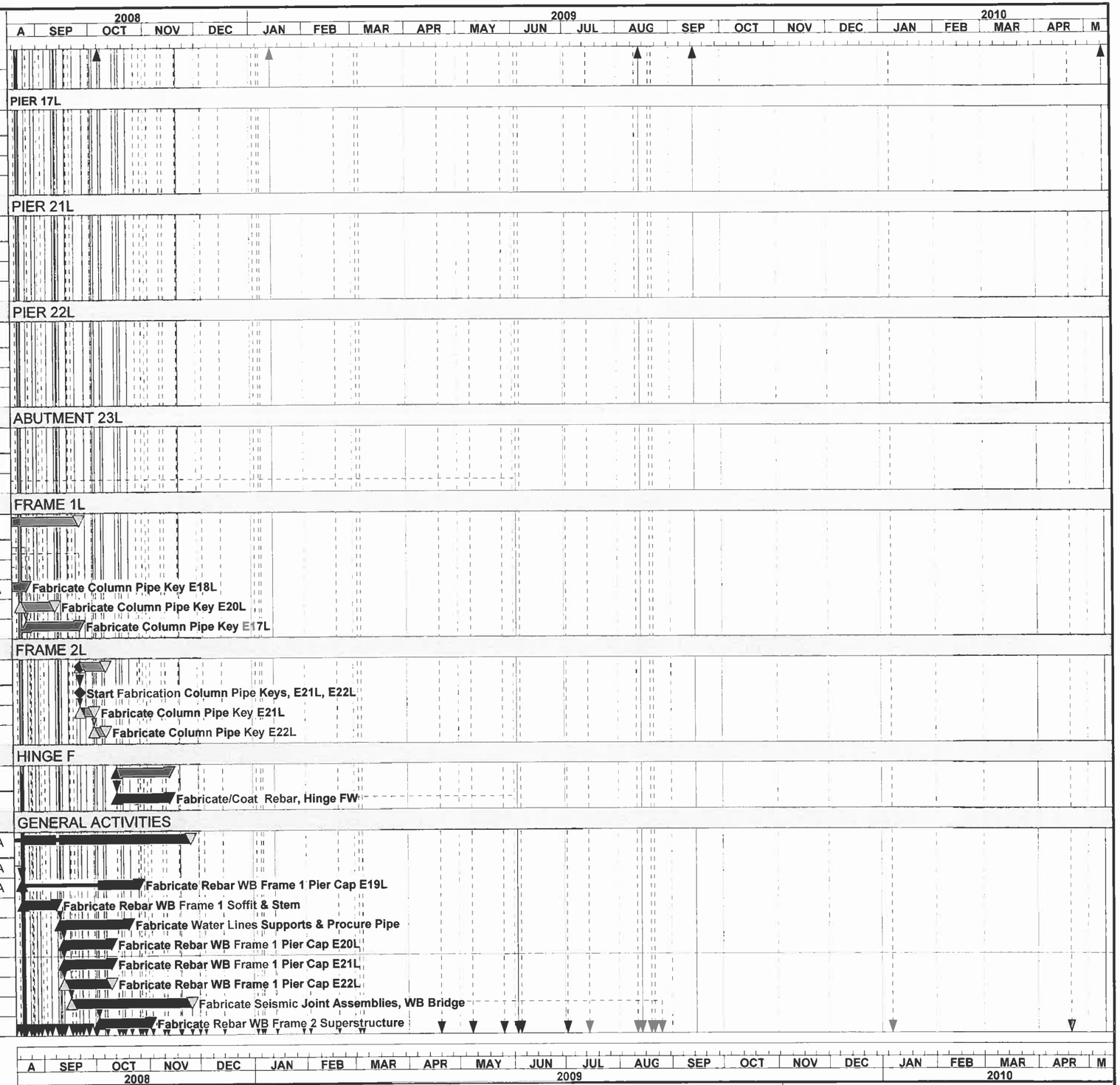
MCM Construction, Inc.

Copy: T12A - Add SJ back and FW link

Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4FAB00160	Fabricate 1.8 M Pipe Piles E18L, 9 ea.	2	15		01FEB08A	20FEB08A	01FEB08A
L4FAB00300	Fabricate/Test/Coat Rebar for E18L Footing Pour	1	56		01MAR08A	11APR08A	01MAR08A
PIER 17L							
Subtotal		1	74		29FEB08A	12MAY08A	29FEB08A
L4FAB00170	Fabricate 1.8 M Pipe Piles E17L, 9 ea.	2	15		29FEB08A	11APR08A	29FEB08A
L4FAB00310	Fabricate/Test/Coat Rebar for E17L Footing Pour	1	56		03MAR08A	12MAY08A	03MAR08A
L4FAB00240	Fabricate Shear Rings E17L	1	14		01APR08A	12APR08A	01APR08A
PIER 21L							
Subtotal		1	78		24MAR08A	09JUN08A	24MAR08A
L4FAB00320	Fabricate/Test/Coat Rebar for E21L Footing Pour	1	56		24MAR08A	09JUN08A	24MAR08A
L4FAB00250	Fabricate Shear Rings E21L	1	13		02APR08A	15APR08A	02APR08A
L4FAB00180	Fabricate 1.8 M Pipe Piles E21L, 8 ea.	2	14		04APR08A	18APR08A	04APR08A
PIER 22L							
Subtotal		1	99		14APR08A	21JUL08A	14APR08A
L4FAB00190	Fabricate 1.8 M Pipe Piles E22L, 8 ea.	2	14		14APR08A	16MAY08A	14APR08A
L4FAB00260	Fabricate Shear Rings E22L	1	13		05MAY08A	19MAY08A	05MAY08A
L4FAB00330	Fabricate/Test/Coat Rebar for E22L Footing Pour	1	56		31MAY08A	21JUL08A	31MAY08A
ABUTMENT 23L							
Subtotal		1	100		01MAY08A	08AUG08A	01MAY08A
L4FAB00200	Cast/Cure 610 MM Concrete Piles E23L	1	21		01MAY08A	20MAY08A	01MAY08A
L4FAB00390	Fabricate PTFE Spherical Bearings	1	49		01JUL08A	08AUG08A	01JUL08A
FRAME 1L							
Subtotal		1	86	14	30JUN08A	23SEP08	30JUN08A
L4FAB00370	Start Fab Column Pipe Key E19L, E18L, E17L, E20L	1	0		30JUN08A		30JUN08A
L4FAB00371	Fabricate Column Pipe Key E19L	1	6		01JUL08A	08AUG08A	01JUL08A
L4FAB00372	Fabricate Column Pipe Key E18L	1	30	-96	11AUG08A	23AUG08	11AUG08A
L4FAB00373	Fabricate Column Pipe Key E20L	1	20	28	21AUG08	09SEP08	18SEP08
L4FAB00373	Fabricate Column Pipe Key E17L	1	31*	-85	24AUG08	23SEP08	31MAY08
FRAME 2L							
Subtotal		1	15	2	24SEP08	08OCT08	26SEP08
L4FAB00380	Start Fabrication Column Pipe Keys, E21L, E22L	1	0	2	24SEP08		26SEP08
L4FAB00420	Fabricate Column Pipe Key E21L	1	8	2	24SEP08	01OCT08	26SEP08
L4FAB00430	Fabricate Column Pipe Key E22L	1	7	2	02OCT08	08OCT08	04OCT08
HINGE F							
Subtotal		1	30	-150	15OCT08	13NOV08	18MAY08
L4FAB00360	Fabricate/Coat Rebar, Hinge FW	1	30	-150	15OCT08	13NOV08	18MAY08
GENERAL ACTIVITIES							
Subtotal		1	377	177	15NOV07A	25NOV08	15NOV07A
L4FAB00270	Fabricate/Test/Coat Rebar for Piles, WB Bridge	1	56		15NOV07A	30DEC07A	15NOV07A
L4FAB00341	Fabricate Rebar WB Frame 1 Pier Cap E19L	1	27	-157	20AUG08A	26OCT08	20AUG08A
L4FAB00340	Fabricate Rebar WB Frame 1 Soffit & Stem	1	19*	-96	21AUG08	08SEP08	17MAY08
L4FAB00400	Fabricate Water Lines Supports & Procure Pipe	1	40	-94	11SEP08	20OCT08	09JUN08
L4FAB01420	Fabricate Rebar WB Frame 1 Pier Cap E20L	1	28	-16	13SEP08	10OCT08	28AUG08
L4FAB01430	Fabricate Rebar WB Frame 1 Pier Cap E21L	1	28	-8	13SEP08	10OCT08	05SEP08
L4FAB01440	Fabricate Rebar WB Frame 1 Pier Cap E22L	1	28	12	13SEP08	10OCT08	25SEP08
L4FAB00410	Fabricate Seismic Joint Assemblies, WB Bridge	1	70	177	17SEP08	25NOV08	13MAR09
L4FAB00350	Fabricate Rebar WB Frame 2 Superstructure	1	30	-47	03OCT08	01NOV08	17AUG08



Start Date	22AUG07
Finish Date	11MAY10
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Early Bar
Progress Bar
Critical Activity

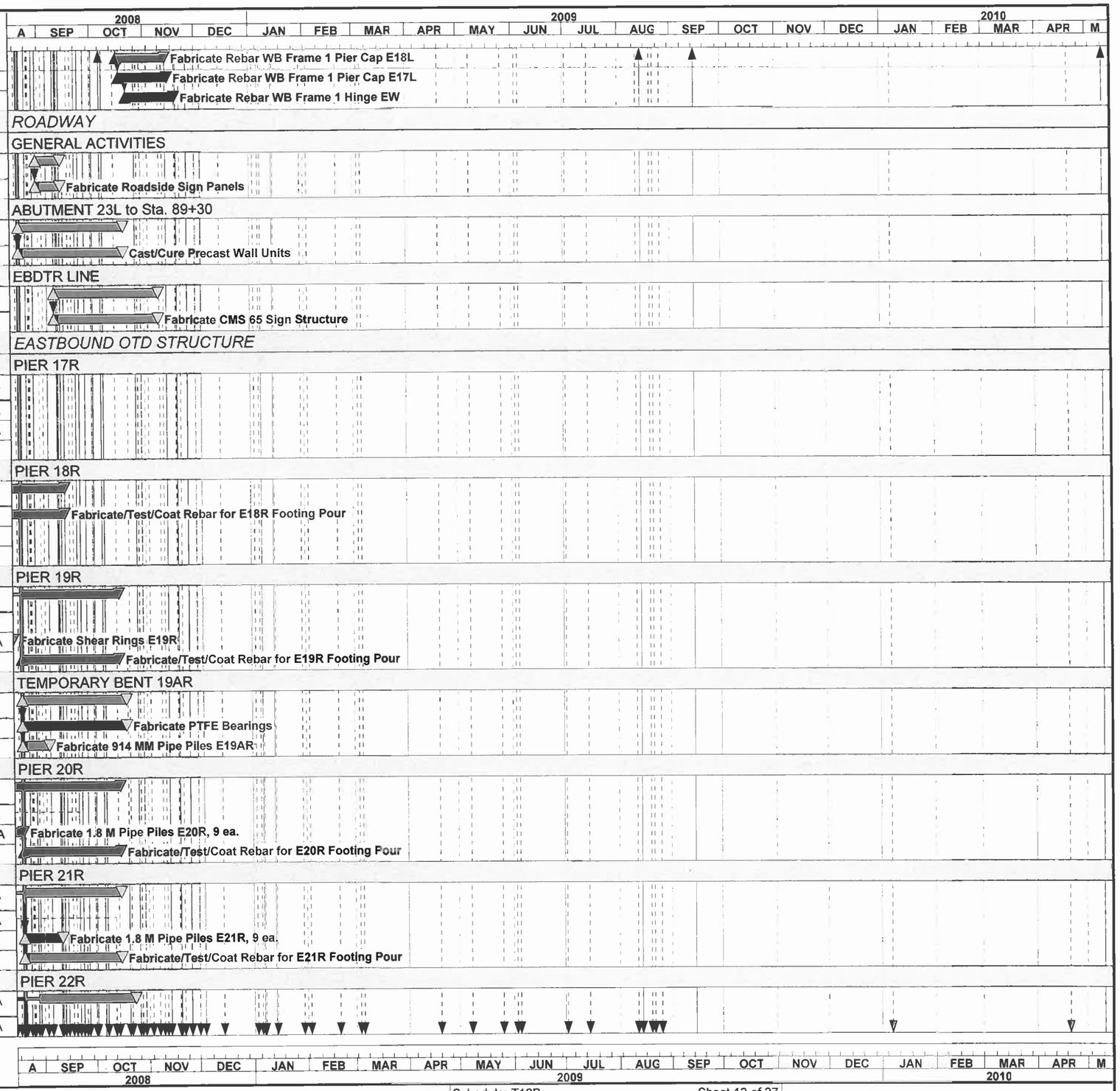
MCM Construction, Inc.

Copy: T12A - Add SJ back and FW link

Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4FAB00347	Fabricate Rebar WB Frame 1 Pier Cap E18L	1	28	-167	17OCT08	13NOV08	03MAY08
L4FAB00343	Fabricate Rebar WB Frame 1 Pier Cap E17L	1	28	-152	18OCT08	14NOV08	19MAY08
L4FAB00342	Fabricate Rebar WB Frame 1 Hinge EW	1	28	-148	22OCT08	18NOV08	27MAY08
ROADWAY							
GENERAL ACTIVITIES							
Subtotal		1	14	407	31AUG08	13SEP08	12OCT09
L4FAB00510	Fabricate Roadside Sign Panels	1	14	407	31AUG08	13SEP08	12OCT09
ABUTMENT 23L to Sta. 89+30							
Subtotal		1	60	81	21AUG08	19OCT08	10NOV08
L4FAB00530	Cast/Cure Precast Wall Units	1	60	81	21AUG08	19OCT08	10NOV08
EBDTR LINE							
Subtotal		1	60	353	10SEP08	08NOV08	29AUG09
L4FAB00520	Fabricate CMS 65 Sign Structure	1	60	353	10SEP08	08NOV08	29AUG09
EASTBOUND OTD STRUCTURE							
PIER 17R							
Subtotal		1	92		08MAY08A	07AUG08A	08MAY08A
L4FAB00640	Fabricate 1.8 M Pipe Piles E17R, 9 ea.	2	15		08MAY08A	04JUN08A	08MAY08A
L4FAB00700	Fabricate Shear Rings E17R	1	14		21MAY08A	03JUN08A	21MAY08A
L4FAB00780	Fabricate/Test/Coat Rebar for E17R Footing Pour	1	56		13JUN08A	07AUG08A	13JUN08A
PIER 18R							
Subtotal		1	105	-26	02JUN08A	14SEP08	02JUN08A
L4FAB00770	Fabricate/Test/Coat Rebar for E18R Footing Pour	1	56	-26	02JUN08A	14SEP08	02JUN08A
L4FAB00630	Fabricate 1.8 M Pipe Piles E18R, 9 ea.	2	15		05JUN08A	10JUL08A	05JUN08A
L4FAB00690	Fabricate Shear Rings E18R	1	14		22JUL08A	06AUG08A	22JUL08A
PIER 19R							
Subtotal		1	90	-30	18JUL08A	15OCT08	18JUL08A
L4FAB00620	Fabricate 1.8 M Pipe Piles E19R, 9 ea.	2	15		18JUL08A	07AUG08A	18JUL08A
L4FAB00680	Fabricate Shear Rings E19R	1	14		07AUG08A	14AUG08A	07AUG08A
L4FAB00760	Fabricate/Test/Coat Rebar for E19R Footing Pour	1	56	-30	21AUG08	15OCT08	22JUL08
TEMPORARY BENT 19AR							
Subtotal		1	60	43	21AUG08	19OCT08	03OCT08
L4FAB00840	Fabricate PTFE Bearings	1	60	43	21AUG08	19OCT08	03OCT08
L4FAB00730	Fabricate 914 MM Pipe Piles E19AR	1	15	80	21AUG08	04SEP08	09NOV08
PIER 20R							
Subtotal		1	107	-23	01JUL08A	15OCT08	01JUL08A
L4FAB00670	Fabricate Shear Rings E20R	1	14		01JUL08A	14JUL08A	01JUL08A
L4FAB00610	Fabricate 1.8 M Pipe Piles E20R, 9 ea.	2	15		01AUG08A	20AUG08A	01AUG08A
L4FAB00750	Fabricate/Test/Coat Rebar for E20R Footing Pour	1	56	-23	21AUG08	15OCT08	29JUL08
PIER 21R							
Subtotal		1	107	338	01JUL08A	15OCT08	01JUL08A
L4FAB00710	Fabricate Shear Rings E21R	1	14		01JUL08A	14JUL08A	01JUL08A
L4FAB00650	Fabricate 1.8 M Pipe Piles E21R, 9 ea.	2	15	224	21AUG08	11SEP08	13JUL09
L4FAB00790	Fabricate/Test/Coat Rebar for E21R Footing Pour	1	56	338	21AUG08	15OCT08	25JUL09
PIER 22R							
Subtotal		1	115	340	01JUL08A	23OCT08	01JUL08A
L4FAB00720	Fabricate Shear Rings E22R	1	13		01JUL08A	14JUL08A	01JUL08A



Start Date	22AUG07
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Early Bar
Progress Bar
Critical Activity

MCM Construction, Inc.

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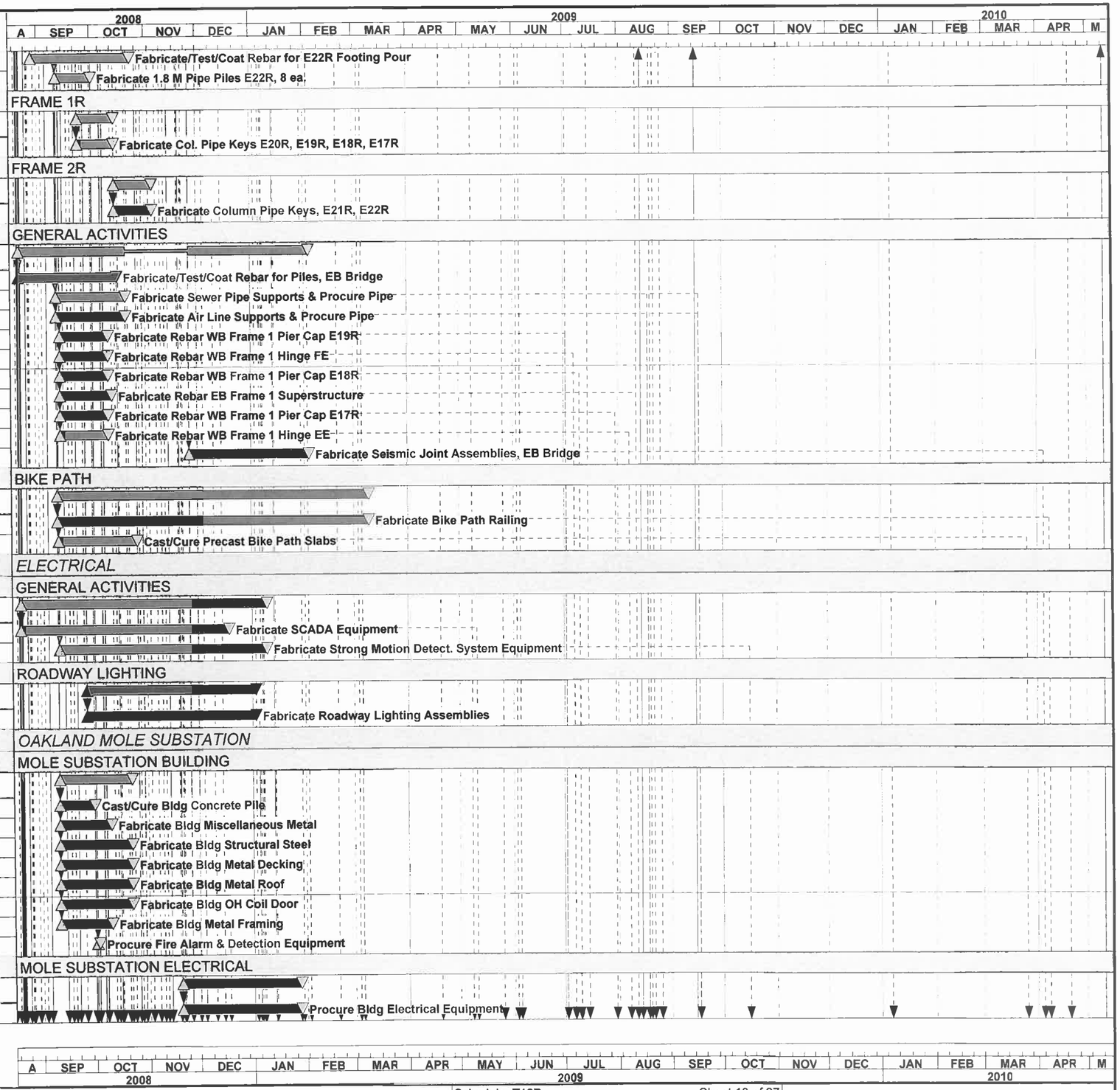
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4FAB00800	Fabricate/Test/Coat Rebar for E22R Footing Pour	1	56	340	29AUG08	23OCT08	04AUG09
L4FAB00660	Fabricate 1.8 M Pipe Piles E22R, 8 ea.	2	14	225	12SEP08	01OCT08	04AUG09
FRAME 1R							
Subtotal		1	21	2	24SEP08	14OCT08	26SEP08
L4FAB00820	Fabricate Col. Pipe Keys E20R, E19R, E18R, E17R	1	21	2	24SEP08	14OCT08	26SEP08
FRAME 2R							
Subtotal		1	21	348	15OCT08	04NOV08	28SEP09
L4FAB00830	Fabricate Column Pipe Keys, E21R, E22R	1	21	348	15OCT08	04NOV08	28SEP09
GENERAL ACTIVITIES							
Subtotal		1	167	276	21AUG08	03FEB09	17JUL08
L4FAB00740	Fabricate/Test/Coat Rebar for Piles, EB Bridge	1	56	-35	21AUG08	15OCT08	17JUL08
L4FAB00850	Fabricate Sewer Pipe Supports & Procure Pipe	1	40	144	11SEP08	20OCT08	02FEB09
L4FAB00860	Fabricate Air Line Supports & Procure Pipe	1	40	144	11SEP08	20OCT08	02FEB09
L4FAB01480	Fabricate Rebar WB Frame 1 Pier Cap E19R	1	28	105	13SEP08	10OCT08	27DEC08
L4FAB01490	Fabricate Rebar WB Frame 1 Hinge FE	1	28	109	13SEP08	10OCT08	31DEC08
L4FAB01470	Fabricate Rebar WB Frame 1 Pier Cap E18R	1	28	112	13SEP08	10OCT08	03JAN09
L4FAB00810	Fabricate Rebar EB Frame 1 Superstructure	1	30	115	13SEP08	12OCT08	06JAN09
L4FAB01460	Fabricate Rebar WB Frame 1 Pier Cap E17R	1	28	126	13SEP08	10OCT08	17JAN09
L4FAB01450	Fabricate Rebar WB Frame 1 Hinge EE	1	28	136	13SEP08	10OCT08	27JAN09
L4FAB00870	Fabricate Seismic Joint Assemblies, EB Bridge	1	70	276	26NOV08	03FEB09	29AUG09
BIKE PATH							
Subtotal		1	180	234	11SEP08	09MAR09	03MAY09
L4FAB00890	Fabricate Bike Path Railing	1	180	234	11SEP08	09MAR09	03MAY09
L4FAB00880	Cast/Cure Precast Bike Path Slabs	1	45	354	12SEP08	26OCT08	01SEP09
ELECTRICAL							
GENERAL ACTIVITIES							
Subtotal		1	142	290	21AUG08	09JAN09	20JAN09
L4FAB01120	Fabricate SCADA Equipment	1	120	152	21AUG08	18DEC08	20JAN09
L4FAB01130	Fabricate Strong Motion Detect. System Equipment	1	120	290	12SEP08	09JAN09	29JUN09
ROADWAY LIGHTING							
Subtotal		1	98	-227	27SEP08	02JAN09	13FEB08
L4FAB01110	Fabricate Roadway Lighting Assemblies	1	98	-227	27SEP08	02JAN09	13FEB08
OAKLAND MOLE SUBSTATION							
MOLE SUBSTATION BUILDING							
Subtotal		1	42	378	11SEP08	22OCT08	10JUN09
L4FAB01310	Cast/Cure Bldg Concrete Pile	1	20	272	11SEP08	30SEP08	10JUN09
L4FAB01350	Fabricate Bldg Miscellaneous Metal	1	30	285	11SEP08	10OCT08	23JUN09
L4FAB01320	Fabricate Bldg Structural Steel	1	42	301	11SEP08	22OCT08	09JUL09
L4FAB01330	Fabricate Bldg Metal Decking	1	42	306	11SEP08	22OCT08	14JUL09
L4FAB01360	Fabricate Bldg Metal Roof	1	42	312	11SEP08	22OCT08	20JUL09
L4FAB01370	Fabricate Bldg OH Coil Door	1	42	322	11SEP08	22OCT08	30JUL09
L4FAB01340	Fabricate Bldg Metal Framing	1	30	339	11SEP08	10OCT08	16AUG09
L4FAB01400	Procure Fire Alarm & Detection Equipment	1	1	398	02OCT08	02OCT08	04NOV09
MOLE SUBSTATION ELECTRICAL							
Subtotal		1	70	250	20NOV08	28JAN09	28JUL09
L4FAB01390	Procure Bldg Electrical Equipment	1	70	250	20NOV08	28JAN09	28JUL09



A SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR M
2008 2009 2010

Start Date 22AUG07
Finish Date 11MAY10
Data Date 21AUG08
Run Date 25SEP08 16:54

Early Bar
Progress Bar
Critical Activity

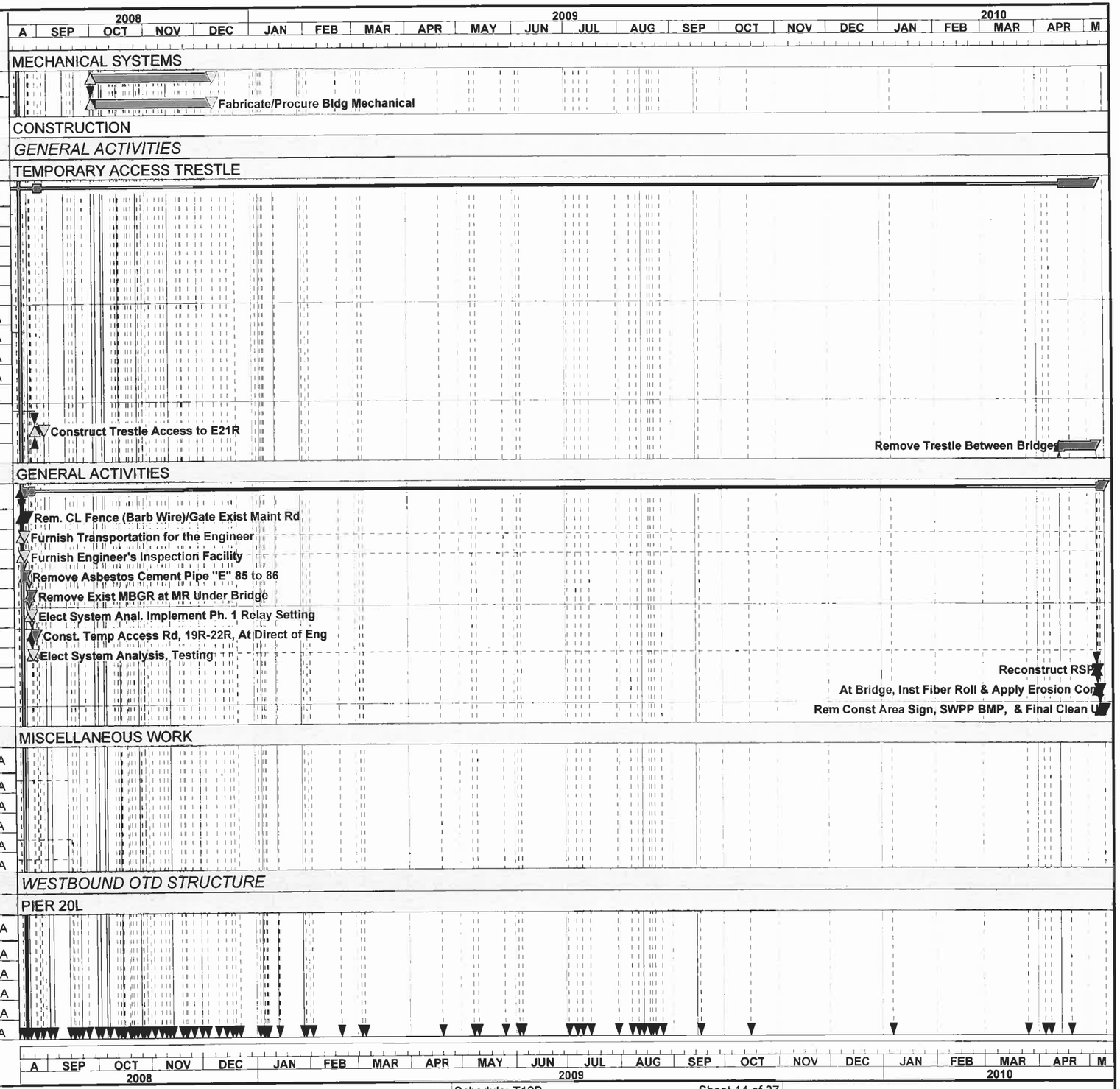
MCM Construction, Inc.

Copy: T12A - Add SJ back and FW link

Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
MECHANICAL SYSTEMS							
Subtotal		1	70	281	02OCT08	10DEC08	10JUL09
L4FAB01380	Fabricate/Procure Bldg Mechanical	1	70	281	02OCT08	10DEC08	10JUL09
CONSTRUCTION							
GENERAL ACTIVITIES							
TEMPORARY ACCESS TRESTLE							
Subtotal		3	783	-136	01OCT07A	05MAY10	01OCT07A
L4CON00070	Remove Trestle Obstructions	3	5		01OCT07A	01MAR08A	01OCT07A
L4CON00080	Construct Trestle Access to E20L	3	11		02OCT07A	06OCT07A	02OCT07A
L4CON00090	Construct Trestle Access to E19L	3	9		08OCT07A	15OCT07A	08OCT07A
L4CON00100	Construct Trestle Access to E18L	3	9		16OCT07A	17NOV07A	16OCT07A
L4CON00110	Construct Trestle Access to E17L	3	12		14JAN08A	22JAN08A	14JAN08A
L4CON00120	Construct Trestle Access to E21L	3	3		01MAR08A	04MAR08A	01MAR08A
L4CON00130	Construct Trestle Access to E22L	3	3		24MAR08A	28MAR08A	24MAR08A
L4CON00190	Construct Trestle Access to E17R	3	3		24MAR08A	26MAR08A	24MAR08A
L4CON00180	Construct Trestle Access to E18R	3	3		26MAR08A	28MAR08A	26MAR08A
L4CON00170	Construct Trestle Access to E19R	3	3		02APR08A	05APR08A	02APR08A
L4CON00160	Construct Trestle Access to E20R	3	3		30JUN08A	02JUL08A	30JUN08A
L4CON00200	Construct Trestle Access to E21R	3	3	60	29AUG08	02SEP08	08NOV08
L4CON00210	Remove Trestle Between Bridges	3	18	-136	15APR10	05MAY10	28OCT09
GENERAL ACTIVITIES							
Subtotal		1	628	-170	21AUG08	10MAY10	04AUG08
L4CON00140	Rem. CL Fence (Barb Wire)/Gate Exist Maint Rd	3	3	-11	21AUG08	23AUG08	08AUG08
L4CON00005	Furnish Transportation for the Engineer	2	1	317	21AUG08	21AUG08	20NOV09
L4CON00010	Furnish Engineer's Inspection Facility	2	1	317	21AUG08	21AUG08	20NOV09
L4CON00060	Remove Asbestos Cement Pipe "E" 85 to 86	3	1	-16	22AUG08	22AUG08	04AUG08
L4CON00145	Remove Exist MBGR at MR Under Bridge	3	1	-11	25AUG08	25AUG08	12AUG08
L4CON00240	Elect System Anal. Implement Ph. 1 Relay Setting	2	1	314	25AUG08	25AUG08	19NOV09
L4CON00150	Const. Temp Access Rd, 19R-22R, At Direct of Eng	3	3	-11	26AUG08	28AUG08	13AUG08
L4CON00250	Elect System Analysis, Testing	2	1	314	26AUG08	26AUG08	20NOV09
L4CON00220	Reconstruct RSP	3	1	-136	06MAY10	06MAY10	18NOV09
L4CON00230	At Bridge, Inst Fiber Roll & Apply Erosion Cont.	3	1	-136	07MAY10	07MAY10	19NOV09
L4CON00300	Rem Const Area Sign, SWPP BMP, & Final Clean Up	3	2	-136	08MAY10	10MAY10	20NOV09
MISCELLANEOUS WORK							
Subtotal		1	56		22AUG07A	16OCT07A	22AUG07A
L4CON00015	Install Construction Area Signs	2	1		22AUG07A	22AUG07A	22AUG07A
L4CON00030	Install Temp. High Visibility Fence	2	5		23AUG07A	29AUG07A	23AUG07A
L4CON00050	Install In-Water Siltation Curtain Along ESA	3	5		07SEP07A	12SEP07A	07SEP07A
L4CON00020	Install SWPP BMP's (land based)	3	2		12OCT07A	13OCT07A	12OCT07A
L4CON00040	Clearing & Grubbing	3	2		15OCT07A	16OCT07A	15OCT07A
WESTBOUND OTD STRUCTURE							
PIER 20L							
Subtotal		1	188		07NOV07A	12MAY08A	07NOV07A
L4CON00600	E20L, Install Cofferdam	3	12		07NOV07A	15NOV07A	07NOV07A
L4CONE20LC	E20L, Cofferdam Resource Timeline	1	188*		07NOV07A	12MAY08A	07NOV07A
L4CON00610	E20L, Excavate Footing	3	7		16NOV07A	23NOV07A	16NOV07A
L4CON00620	E20L, Drive Piles, 8 ea. (Incl. 1 Splice/Pile)	3	18		06DEC07A	14JAN08A	06DEC07A
L4TIA00660	E20L, MCM Notifies CT of Issue (CCO #030)	1	1		17JAN08A	17JAN08A	17JAN08A



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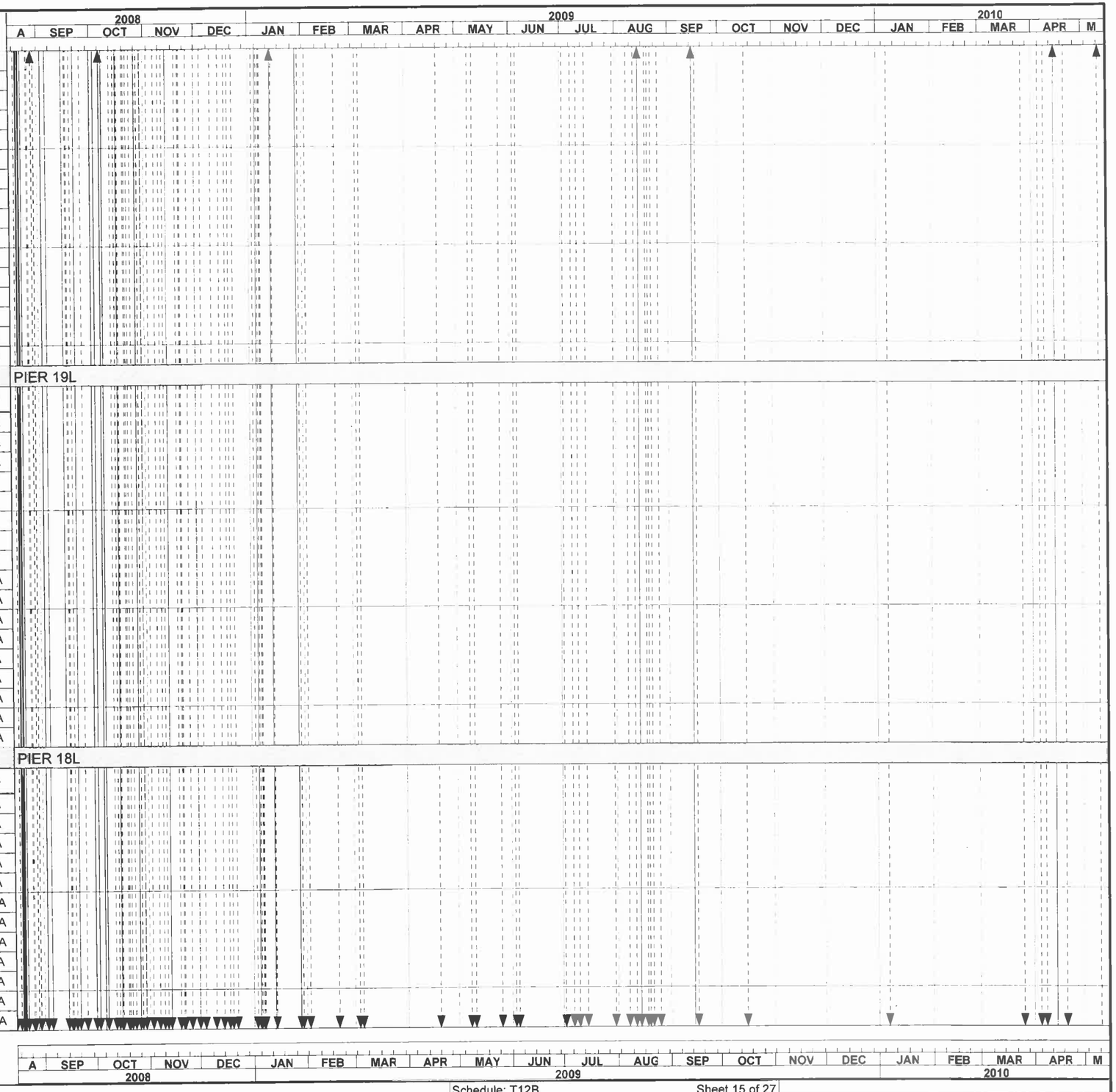
L4TIA00670	E20L, Resolve Deleterious Issue (CCO #030)	1	2		18JAN08A	19JAN08A	18JAN08A
L4TIA00680	E20L, Procure Rock (CCO #030)	1	3		19JAN08A	21JAN08A	19JAN08A
L4TIA00690	E20L, Modification to Footing Exc (CCO #030)	1	4		21JAN08A	24JAN08A	21JAN08A
L4CON00660	E20L, Dewater & Place Leveling Concrete	3	2		25JAN08A	26JAN08A	25JAN08A
L4CON00680	E20L, Field Weld Shear Rings to Piles	3	16		30JAN08A	13FEB08A	30JAN08A
L4CON00670	E20L, Excavate/Set Cage/Place Pile Concrete Plug	3	4		14FEB08A	16FEB08A	14FEB08A
L4CON00700	E20L, Place Footing Rebar	3	18		20FEB08A	06MAR08A	20FEB08A
L4CON00690	E20L, Form Footing	3	3		06MAR08A	08MAR08A	06MAR08A
L4CON00710	E20L, Place Footing Concrete	3	1		10MAR08A	10MAR08A	10MAR08A
L4CON00720	E20L, Pedistals (F/P/S)	3	10		14MAR08A	25MAR08A	14MAR08A
L4TIA00720	E20L, Column Blockout Design Issue	3	5		17MAR08A	08APR08A	17MAR08A
L4CON00730	E20L, Columns (F/P/S)	3	4		08APR08A	15APR08A	08APR08A
L4TIA00725	E20L, Column Blockout Installation	3	2		08APR08A	09APR08A	08APR08A
L4CON00740	E20L, Column Closure Walls (F/R/P/S)	3	6		21APR08A	30APR08A	21APR08A
L4CON00750	E20L, Backfill Cofferdam	3	2		09MAY08A	12MAY08A	09MAY08A
L4CON00760	E20L, Remove Cofferdam	3	5		09MAY08A	12MAY08A	09MAY08A
PIER 19L							
Subtotal		1	181		16NOV07A	14MAY08A	16NOV07A
L4CON00410	E19L, Install Cofferdam	3	12		16NOV07A	28NOV07A	16NOV07A
L4CONE19LC	E19L, Cofferdam Resource Timeline	1	181*		16NOV07A	14MAY08A	16NOV07A
L4CON00420	E19L. Excavate Footing	3	6		29NOV07A	12DEC07A	29NOV07A
L4CON00430	E19L, Drive Piles, 9 ea. (Incl. 1 Splice/Pile)	3	18		16JAN08A	11FEB08A	16JAN08A
L4TIA00435	E19L State Initiated Shutdown (SWPPP) NO DIGGING	3	4		08FEB08A	11FEB08A	08FEB08A
L4TIA00470	E19L, Modificaiton to Footing Exc (CCO #30)	3	7		16FEB08A	20FEB08A	16FEB08A
L4CON00470	E19L, Dewater & Place Leveling Concrete	3	2		21FEB08A	22FEB08A	21FEB08A
L4CON00490	E19L, Field Weld Shear Rings to Piles	3	19		22FEB08A	04MAR08A	22FEB08A
L4CON00480	E19L, Excavate/Set Cage/Place Pile Concrete Plug	3	3		05MAR08A	07MAR08A	05MAR08A
L4CON00510	E19L, Place Footing Rebar	3	12		10MAR08A	29MAR08A	10MAR08A
L4CON00500	E19L, Form Footing	3	3		27MAR08A	29MAR08A	27MAR08A
L4CON00520	E19L, Place Footing Concrete	3	1		31MAR08A	31MAR08A	31MAR08A
L4CON00540	E19L, Pedestals (F/R/COOL/P/S)	3	13		02APR08A	16APR08A	02APR08A
L4CON00550	E19L, Columns (F/P/S)	3	4		16APR08A	19APR08A	16APR08A
L4CON00560	E19L, Column Closure Walls (F/R/P/S)	3	6		06MAY08A	09MAY08A	06MAY08A
L4CON00570	E19L, Backfill Cofferdam	3	2		12MAY08A	14MAY08A	12MAY08A
L4CON00580	E19L, Remove Cofferdam	3	6		12MAY08A	14MAY08A	12MAY08A
PIER 18L							
Subtotal		1	171		09JAN08A	27JUN08A	09JAN08A
L4CON00780	E18L, Install Cofferdam	3	10		09JAN08A	25JAN08A	09JAN08A
L4CONE18LC	E18L, Cofferdam Resource Timeline	1	171*		09JAN08A	27JUN08A	09JAN08A
L4CON00790	E18L. Excavate Footing	3	7		05FEB08A	13FEB08A	05FEB08A
L4TIA00785	E18L,State Initiated Shutdown (SWPPP) NO DIGGING	3	4		08FEB08A	11FEB08A	08FEB08A
L4CON00800	E18L, Drive Piles, 9 ea. (Incl. 1 Splice/Pile)	3	18		23FEB08A	17MAR08A	23FEB08A
L4TIA00840	E18L, Modification to Footing Exc (CCO #30)	3	7		17MAR08A	22MAR08A	17MAR08A
L4CON00840	E18L, Dewater & Place Leveling Concrete	3	2		22MAR08A	22MAR08A	22MAR08A
L4CON00860	E18L, Field Weld Shear Rings to Piles	3	20		26MAR08A	10APR08A	26MAR08A
L4CON00850	E18L, Excavate/Set Cage/Place Pile Concrete Plug	3	4		10APR08A	11APR08A	10APR08A
L4CON00880	E18L, Place Footing Rebar	3	16		12APR08A	30APR08A	12APR08A
L4CON00870	E18L, Form Footing	3	3		28APR08A	01MAY08A	28APR08A
L4CON00890	E18L, Place Footing Concrete	3	1		01MAY08A	01MAY08A	01MAY08A



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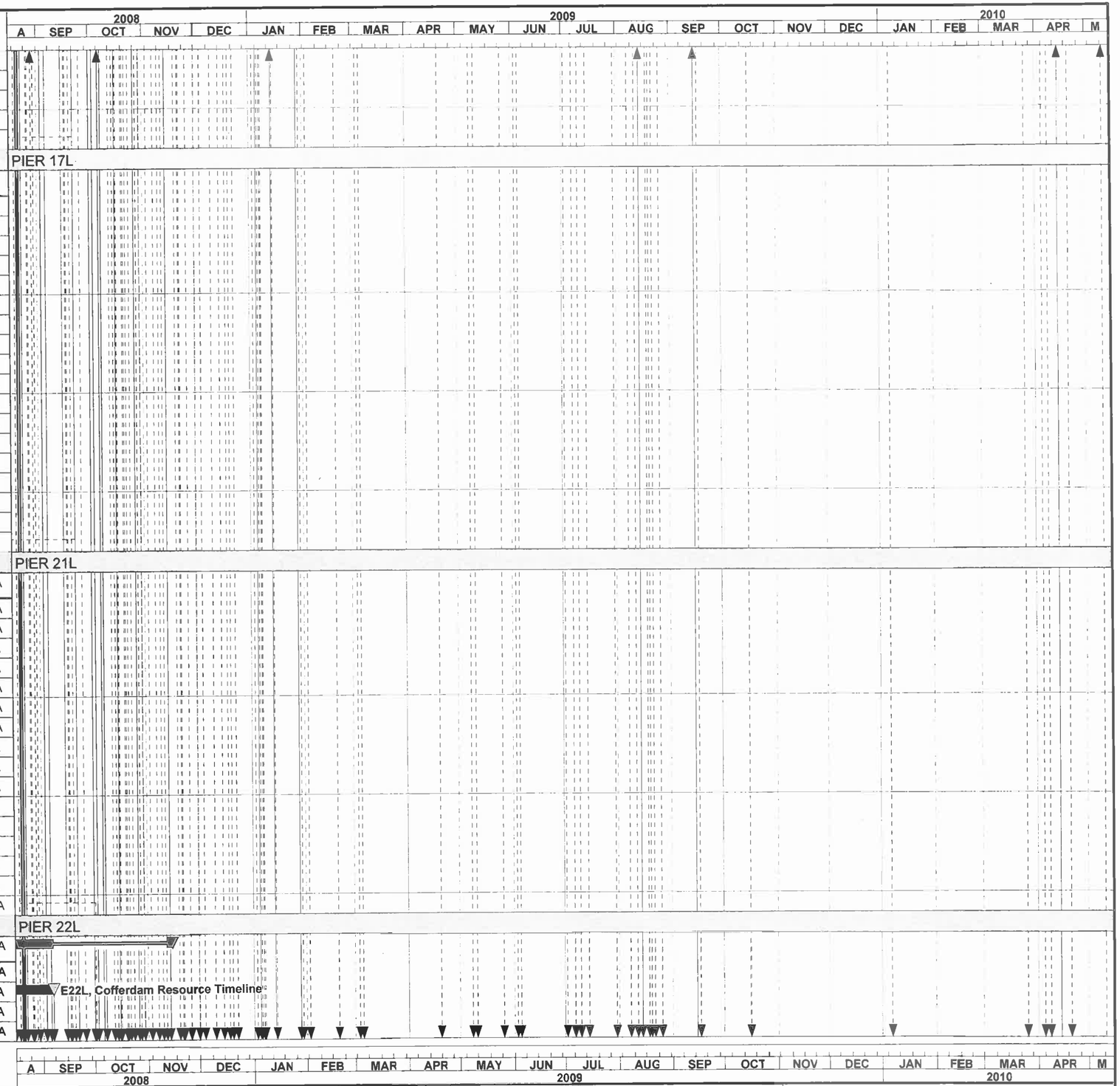
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4CON00900	E18L, Pedestals (F/R/COOL/P/S)	3	16		05MAY08A	15MAY08A	05MAY08A
L4CON00910	E18L, Columns (F/P/S)	3	4		08MAY08A	21MAY08A	08MAY08A
L4CON00920	E18L, Column Closure Walls (F/R/P/S)	3	6		21MAY08A	02JUN08A	21MAY08A
L4CON00930	E18L, Backfill Cofferdam	3	2		16JUN08A	17JUN08A	16JUN08A
L4CON00940	E18L, Remove Cofferdam	3	6		24JUN08A	27JUN08A	24JUN08A
PIER 17L							
Subtotal		1	168		07FEB08A	23JUL08A	07FEB08A
L4CON00960	E17L, Install Cofferdam	3	12		07FEB08A	06MAR08A	07FEB08A
L4CONE17LC	E17L, Cofferdam Resource Timeline	1	168*		07FEB08A	23JUL08A	07FEB08A
L4TIA00970	Deck Trestle with Plywood / Filter - 20:00 13Feb	3	12		13FEB08A	20FEB08A	13FEB08A
L4CON00970	E17L. Excavate Footing	3	7		25FEB08A	29FEB08A	25FEB08A
L4CON00980	E17L, Drive Piles, 9 ea. (Incl. 1 Splice/Pile)	3	18		19MAR08A	16APR08A	19MAR08A
L4TIA00960	E17L, Unknown Manmade Object (No Driving)	3	12		03APR08A	10APR08A	03APR08A
L4TIA00990	E17L, Modification to Footing Exc (CCO #30)	3	6		19APR08A	22APR08A	19APR08A
L4CON01020	E17L, Dewater & Place Leveling Concrete	3	2		23APR08A	23APR08A	23APR08A
L4CON01040	E17L, Field Weld Shear Rings to Piles	3	18		28APR08A	14MAY08A	28APR08A
L4CON01030	E17L, Excavate/Set Cage/Place Pile Concrete Plug	3	4		14MAY08A	14MAY08A	14MAY08A
L4CON01060	E17L, Place Footing Rebar	3	19		15MAY08A	02JUN08A	15MAY08A
L4CON01050	E17L, Form Footing	3	3		30MAY08A	03JUN08A	30MAY08A
L4CON01070	E17L, Place Footing Concrete	3	1		03JUN08A	03JUN08A	03JUN08A
L4CON01080	E17L, Pedestals (F/R/COOL/P/S)	3	19		04JUN08A	16JUN08A	04JUN08A
L4CON01090	E17L, Columns (F/P/S)	3	4		10JUN08A	26JUN08A	10JUN08A
L4CON01100	E17L, Column Closure Walls (F/R/P/S)	3	6		26JUN08A	14JUL08A	26JUN08A
L4CON01110	E17L, Backfill Cofferdam	3	2		15JUL08A	16JUL08A	15JUL08A
L4CON01120	E17L, Remove Cofferdam	3	6		17JUL08A	23JUL08A	17JUL08A
PIER 21L							
Subtotal		1	156		05MAR08A	07AUG08A	05MAR08A
L4CON01140	E21L, Install Cofferdam	3	12		05MAR08A	19MAR08A	05MAR08A
L4CONE21LC	E21L, Cofferdam Resource Timeline	1	156*		05MAR08A	07AUG08A	05MAR08A
L4CON01150	E21L. Excavate Footing	3	6		16APR08A	18APR08A	16APR08A
L4CON01160	E21L, Drive Piles, 8 ea. (Incl. 1 Splice/Pile)	3	18		17APR08A	13MAY08A	17APR08A
L4TIA01160	E21L, Modification to Footing Exc (CCO #30)	3	6		14MAY08A	19MAY08A	14MAY08A
L4CON01170	E21L, Dewater & Place Leveling Concrete	3	2		19MAY08A	19MAY08A	19MAY08A
L4CON01190	E21L, Field Weld Shear Rings to Piles	3	16		21MAY08A	07JUN08A	21MAY08A
L4CON01180	E21L, Excavate/Set Cage/Place Pile Concrete Plug	3	4		09JUN08A	09JUN08A	09JUN08A
L4CON01210	E21L, Place Footing Rebar	3	18		10JUN08A	27JUN08A	10JUN08A
L4CON01200	E21L, Form Footing	3	3		27JUN08A	30JUN08A	27JUN08A
L4CON01230	E21L, Place Footing Concrete	3	1		01JUL08A	01JUL08A	01JUL08A
L4CON01250	E21L, Columns (F/P/S)	3	4		01JUL08A	17JUL08A	01JUL08A
L4CON01240	E21L, Pedestals (F/R/P/S)	3	9		02JUL08A	07JUL08A	02JUL08A
L4CON01260	E21L, Column Closure Walls (F/R/P/S)	3	6		17JUL08A	25JUL08A	17JUL08A
L4CON01270	E21L, Backfill Cofferdam	3	2		28JUL08A	01AUG08A	28JUL08A
L4CON01280	E21L, Remove Cofferdam	3	6		04AUG08A	07AUG08A	04AUG08A
PIER 22L							
Subtotal		1	256	-46	04MAR08A	14NOV08	04MAR08A
L4CON01290	E22L, Remove Obstructions	3	2		04MAR08A	05MAR08A	04MAR08A
L4CONE22LC	E22L, Cofferdam Resource Timeline	1	159*	19	01APR08A	06SEP08	01APR08A
L4CON01300	E22L, Install Cofferdam	3	13		01APR08A	22APR08A	01APR08A
L4CON01320	E22L, Drive Piles, 8 ea. (Incl. 1 Splice/Pile)	3	18		06MAY08A	31MAY08A	06MAY08A



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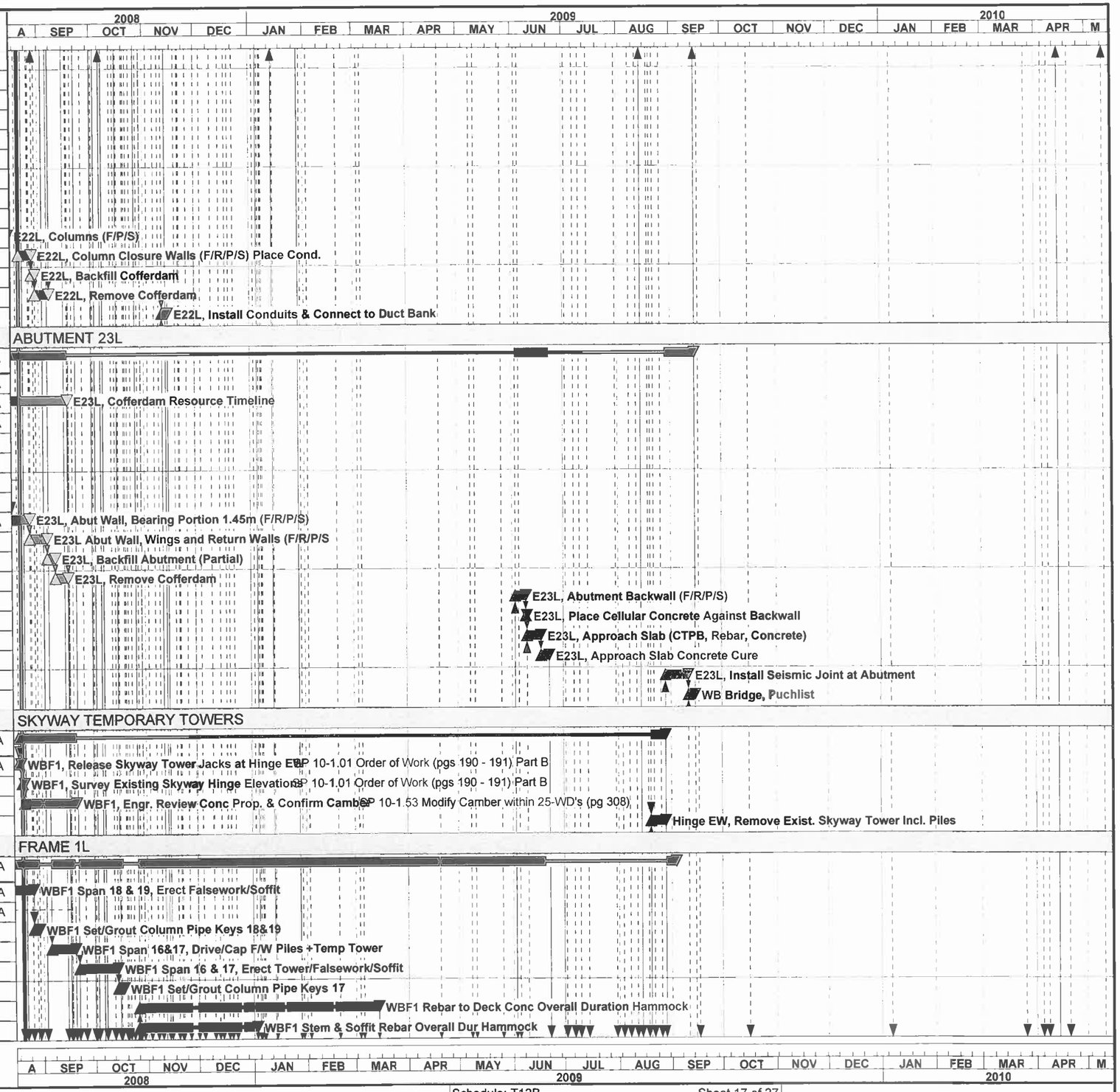
L4CON01310	E22L. Excavate Footing	3	5		14MAY08A	14MAY08A	14MAY08A
L4TIA01320	E22L, Modification to Footing Exc (CCO #30)	3	6		04JUN08A	05JUN08A	04JUN08A
L4CON01330	E22L, Dewater & Place Leveling Concrete	3	2		06JUN08A	06JUN08A	06JUN08A
L4CON01350	E22L, Field Weld Shear Rings to Piles	3	16		09JUN08A	26JUN08A	09JUN08A
L4CON01340	E22L, Excavate/Set Cage/Place Pile Concrete Plug	3	4		27JUN08A	27JUN08A	27JUN08A
L4CON01370	E22L, Place Footing Rebar	3	20		28JUN08A	29JUL08A	28JUN08A
L4CON01360	E22L, Form Footing	3	3		29JUL08A	30JUL08A	29JUL08A
L4CON01380	E22L, Place Footing Concrete	3	1		31JUL08A	31JUL08A	31JUL08A
L4CON01390	E22L, Pedestals (F/R/P/S)	3	8		01AUG08A	04AUG08A	01AUG08A
L4CON01400	E22L, Columns (F/P/S)	3	4		05AUG08A	13AUG08A	05AUG08A
L4CON01410	E22L, Column Closure Walls (F/R/P/S) Place Cond.	3	6	16	21AUG08	27AUG08	10SEP08
L4CON01420	E22L, Backfill Cofferdam	3	2	16	28AUG08	29AUG08	17SEP08
L4CON01430	E22L, Remove Cofferdam	3	6	16	30AUG08	06SEP08	19SEP08
L4CON01440	E22L, Install Conduits & Connect to Duct Bank	3	3	-40	12NOV08	14NOV08	26SEP08
ABUTMENT 23L							
Subtotal		1	552	-100	12MAR08A	14SEP09	12MAR08A
L4CON01480	E23L, Excavate Footing	3	5		12MAR08A	14MAR08A	12MAR08A
L4CONE23LC	E23L, Cofferdam Resource Timeline	1	170*	13	31MAR08A	16SEP08	31MAR08A
L4CON01470	E23L, Install Cofferdam	3	12		31MAR08A	11APR08A	31MAR08A
L4CON01450	E23L, Remove Obstructions	3	2		21APR08A	22APR08A	21APR08A
L4CON01490	E23L, Drive 610 MM Concrete Piles (38 ea.)	3	6		10JUN08A	18JUN08A	10JUN08A
L4CON01500	E23L, Abut. Footing (F/R/P/S) Incl. Grout Dowels	3	9		24JUN08A	25JUN08A	24JUN08A
L4CON01495	E23L, Dewater & Place Leveling Concrete	3	2		03JUL08A	07JUL08A	03JUL08A
L4CON01510	E23L, Abut Wall, Bearing Portion 1.45m (F/R/P/S)	3	9	11	15AUG08A	25AUG08	15AUG08A
L4CON01520	E23L Abut Wall, Wings and Return Walls (F/R/P/S	3	8	11	26AUG08	04SEP08	09SEP08
L4CON01530	E23L, Backfill Abutment (Partial)	3	4	11	05SEP08	09SEP08	18SEP08
L4CON01540	E23L, Remove Cofferdam	3	6	11	10SEP08	16SEP08	23SEP08
L4CON02180	E23L, Abutment Backwall (F/R/P/S)	3	5	-68	03JUN09	08JUN09	14MAR09
L4CON02190	E23L, Place Cellular Concrete Against Backwall	3	1	-68	09JUN09	09JUN09	20MAR09
L4CON02200	E23L, Approach Slab (CTPB, Rebar, Concrete)	3	7	-68	10JUN09	17JUN09	21MAR09
L4CON02210	E23L, Approach Slab Concrete Cure	1	5	-81	18JUN09	22JUN09	29MAR09
L4CON02290	E23L, Install Seismic Joint at Abutment	3	10	-83	29AUG09	10SEP09	22MAY09
L4CON02400	WB Bridge, Puchlist	3	3	-83	11SEP09	14SEP09	04JUN09
SKYWAY TEMPORARY TOWERS							
Subtotal		3	312	-3	19AUG08A	28AUG09	19AUG08A
L4CON01580	WBF1, Release Skyway Tower Jacks at Hinge EW	3	1		19AUG08A	19AUG08A	19AUG08A
L4CON01590	WBF1, Survey Existing Skyway Hinge Elevations	3	1	-88	21AUG08	21AUG08	07MAY08
L4CON01600	WBF1, Engr. Review Conc Prop. & Confirm Camber	3	25	-88	22AUG08	20SEP08	08MAY08
L4CON02080	Hinge EW, Remove Exist. Skyway Tower Incl. Piles	3	8	-3	20AUG09	28AUG09	17AUG09
FRAME 1L							
Subtotal		1	462	-3	30MAY08A	03SEP09	30MAY08A
L4CON01570	WBF1 Span 18 & 19, Erect Falsework/Soffit	3	20	-82	30MAY08A	26AUG08	30MAY08A
L4CON01550	WBF1 Span 18 & 19, Drive/Cap Falsework Piles	3	10		30MAY08A	02JUN08A	30MAY08A
L4CON02300	WBF1 Set/Grout Column Pipe Keys 18&19	3	3	-82	27AUG08	29AUG08	20MAY08
L4CON01560	WBF1 Span 16&17, Drive/Cap F/W Piles +Temp Tower	3	12	-87	06SEP08	19SEP08	23MAY08
L4CON01610	WBF1 Span 16 & 17, Erect Tower/Falsework/Soffit	3	20	-88	22SEP08	14OCT08	07JUN08
L4CON02310	WBF1 Set/Grout Column Pipe Keys 17	3	3	-88	15OCT08	17OCT08	01JUL08
L4CON01631	WBF1 Rebar to Deck Conc Overall Duration Hammock	3	113*	-140	27OCT08	14MAR09	23MAY08
L4CON01632	WBF1 Stem & Soffit Rebar Overall Dur Hammock	3	54*	-134	27OCT08	02JAN09	23MAY08



Start Date	22AUG07
Finish Date	11MAY10
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Early Bar
Progress Bar
Critical Activity

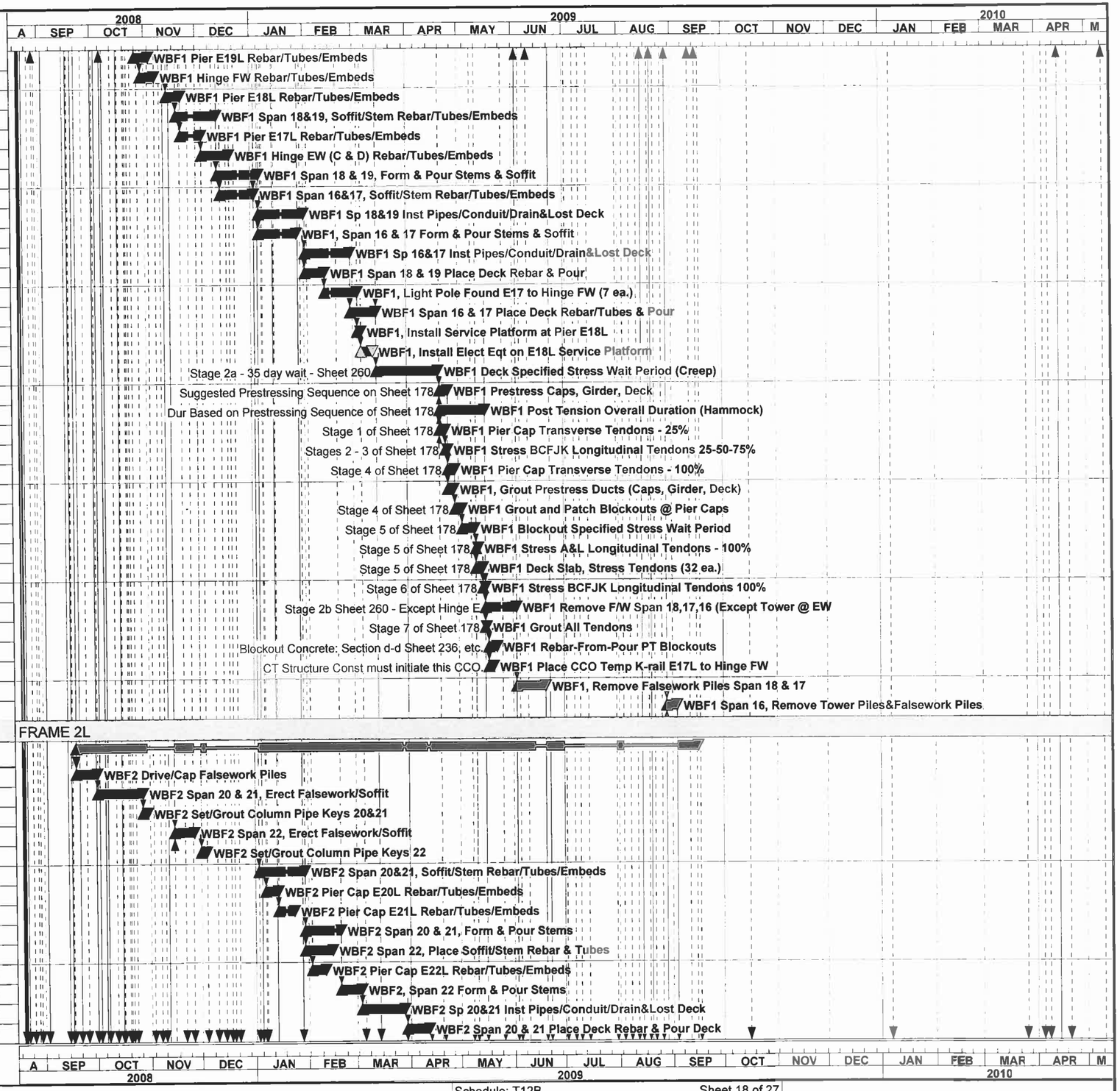
MCM Construction, Inc.

Copy: T12A - Add SJ back and FW link

Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4CON01621	WBF1 Pier E19L Rebar/Tubes/Embeds	3	7	-130	27OCT08	03NOV08	23MAY08
L4CON01622	WBF1 Hinge FW Rebar/Tubes/Embeds	3	7	-130	30OCT08	06NOV08	28MAY08
L4CON01625	WBF1 Pier E18L Rebar/Tubes/Embeds	3	7	-140	14NOV08	21NOV08	31MAY08
L4CON01620	WBF1 Span 18&19, Soffit/Stem Rebar/Tubes/Embeds	3	18	-140	19NOV08	12DEC08	05JUN08
L4CON01624	WBF1 Pier E17L Rebar/Tubes/Embeds	3	7	-134	22NOV08	03DEC08	16JUN08
L4CON01623	WBF1 Hinge EW (C & D) Rebar/Tubes/Embeds	3	14	-134	04DEC08	19DEC08	24JUN08
L4CON01640	WBF1 Span 18 & 19, Form & Pour Stems & Soffit	3	18	-140	13DEC08	05JAN09	26JUN08
L4CON01630	WBF1 Span 16&17, Soffit/Stem Rebar/Tubes/Embeds	3	15	-134	15DEC08	02JAN09	07JUL08
L4CON01660	WBF1 Sp 18&19 Inst Pipes/Conduit/Drain&Lost Deck	3	22	-140	06JAN09	31JAN09	19JUL08
L4CON01650	WBF1, Span 16 & 17 Form & Pour Stems & Soffit	3	18	-136	06JAN09	27JAN09	24JUL08
L4CON01670	WBF1 Sp 16&17 Inst Pipes/Conduit/Drain&Lost Deck	3	22	-140	02FEB09	27FEB09	14AUG08
L4CON01680	WBF1 Span 18 & 19 Place Deck Rebar & Pour	3	10	-128	02FEB09	12FEB09	28AUG08
L4CON01710	WBF1, Light Pole Found E17 to Hinge FW (7 ea.)	3	15	-79	13FEB09	03MAR09	06NOV08
L4CON01690	WBF1 Span 16 & 17 Place Deck Rebar/Tubes & Pour	3	13	-140	28FEB09	14MAR09	10SEP08
L4CON01720	WBF1, Install Service Platform at Pier E18L	3	2	-79	04MAR09	05MAR09	24NOV08
L4CON01730	WBF1, Install Elect Eqt on E18L Service Platform	3	6	64	06MAR09	12MAR09	20MAY09
L4CON01700	WBF1 Deck Specified Stress Wait Period (Creep)	1	35	-171	15MAR09	18APR09	25SEP08
L4CON01740	WBF1 Prestress Caps, Girder, Deck	3	5	-140	20APR09	24APR09	30OCT08
L4CON01745	WBF1 Post Tension Overall Duration (Hammock)	3	23*	-140	20APR09	15MAY09	30OCT08
L4CON02340	WBF1 Pier Cap Transverse Tendons - 25%	3	3	-140	20APR09	22APR09	30OCT08
L4CON02350	WBF1 Stress BCFJK Longitudinal Tendons 25-50-75%	3	2	-140	23APR09	24APR09	03NOV08
L4CON02380	WBF1 Pier Cap Transverse Tendons - 100%	3	3	-140	25APR09	28APR09	05NOV08
L4CON01750	WBF1, Grout Prestress Ducts (Caps, Girder, Deck)	3	2	-59	25APR09	27APR09	14FEB09
L4CON02390	WBF1 Grout and Patch Blockouts @ Pier Caps	3	4	-140	29APR09	02MAY09	08NOV08
L4CON02410	WBF1 Blockout Specified Stress Wait Period	1	7	-171	03MAY09	09MAY09	13NOV08
L4CON02420	WBF1 Stress A&L Longitudinal Tendons - 100%	3	1	-140	11MAY09	11MAY09	20NOV08
L4CON02430	WBF1 Deck Slab, Stress Tendons (32 ea.)	3	4	-140	11MAY09	14MAY09	20NOV08
L4CON02440	WBF1 Stress BCFJK Longitudinal Tendons 100%	3	1	-140	15MAY09	15MAY09	25NOV08
L4CON01760	WBF1 Remove F/W Span 18,17,16 (Except Tower @ EW	3	14	-140	16MAY09	02JUN09	26NOV08
L4CON02450	WBF1 Grout All Tendons	3	1	-76	16MAY09	16MAY09	17FEB09
L4CON02455	WBF1 Rebar-From-Pour PT Blockouts	3	5	-48	18MAY09	22MAY09	23MAR09
L4CON02465	WBF1 Place CCO Temp K-rail E17L to Hinge FW	3	3	-46	18MAY09	20MAY09	25MAR09
L4CON01770	WBF1, Remove Falsework Piles Span 18 & 17	3	15	-23	03JUN09	19JUN09	06MAY09
L4CON02090	WBF1 Span 16, Remove Tower Piles&Falsework Piles	3	5	-3	29AUG09	03SEP09	26AUG09
FRAME 2L							
Subtotal		1	361	-4	20SEP08	15SEP09	08AUG08
L4CON01780	WBF2 Drive/Cap Falsework Piles	3	10	-36	20SEP08	01OCT08	08AUG08
L4CON01790	WBF2 Span 20 & 21, Erect Falsework/Soffit	3	22	-36	02OCT08	27OCT08	20AUG08
L4CON02320	WBF2 Set/Grout Column Pipe Keys 20&21	3	3	-17	28OCT08	30OCT08	08OCT08
L4CON01800	WBF2 Span 22, Erect Falsework/Soffit	3	10	-40	15NOV08	26NOV08	30SEP08
L4CON02330	WBF2 Set/Grout Column Pipe Keys 22	3	3	-40	01DEC08	03DEC08	11OCT08
L4CON01810	WBF2 Span 20&21, Soffit/Stem Rebar/Tubes/Embeds	3	22	-89	03JAN09	29JAN09	16SEP08
L4CON07420	WBF2 Pier Cap E20L Rebar/Tubes/Embeds	3	7	-84	07JAN09	14JAN09	25SEP08
L4CON07430	WBF2 Pier Cap E21L Rebar/Tubes/Embeds	3	7	-84	15JAN09	23JAN09	03OCT08
L4CON01830	WBF2 Span 20 & 21, Form & Pour Stems	3	17	-89	30JAN09	19FEB09	11OCT08
L4CON01820	WBF2 Span 22, Place Soffit/Stem Rebar & Tubes	3	14	-86	30JAN09	14FEB09	15OCT08
L4CON07440	WBF2 Pier Cap E22L Rebar/Tubes/Embeds	3	7	-82	03FEB09	10FEB09	23OCT08
L4CON01840	WBF2, Span 22 Form & Pour Stems	3	10	-89	20FEB09	03MAR09	31OCT08
L4CON01850	WBF2 Sp 20&21 Inst Pipes/Conduit/Drain&Lost Deck	3	22	-89	04MAR09	28MAR09	12NOV08
L4CON01870	WBF2 Span 20 & 21 Place Deck Rebar & Pour Deck	3	12	-89	30MAR09	11APR09	11DEC08



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Early Bar
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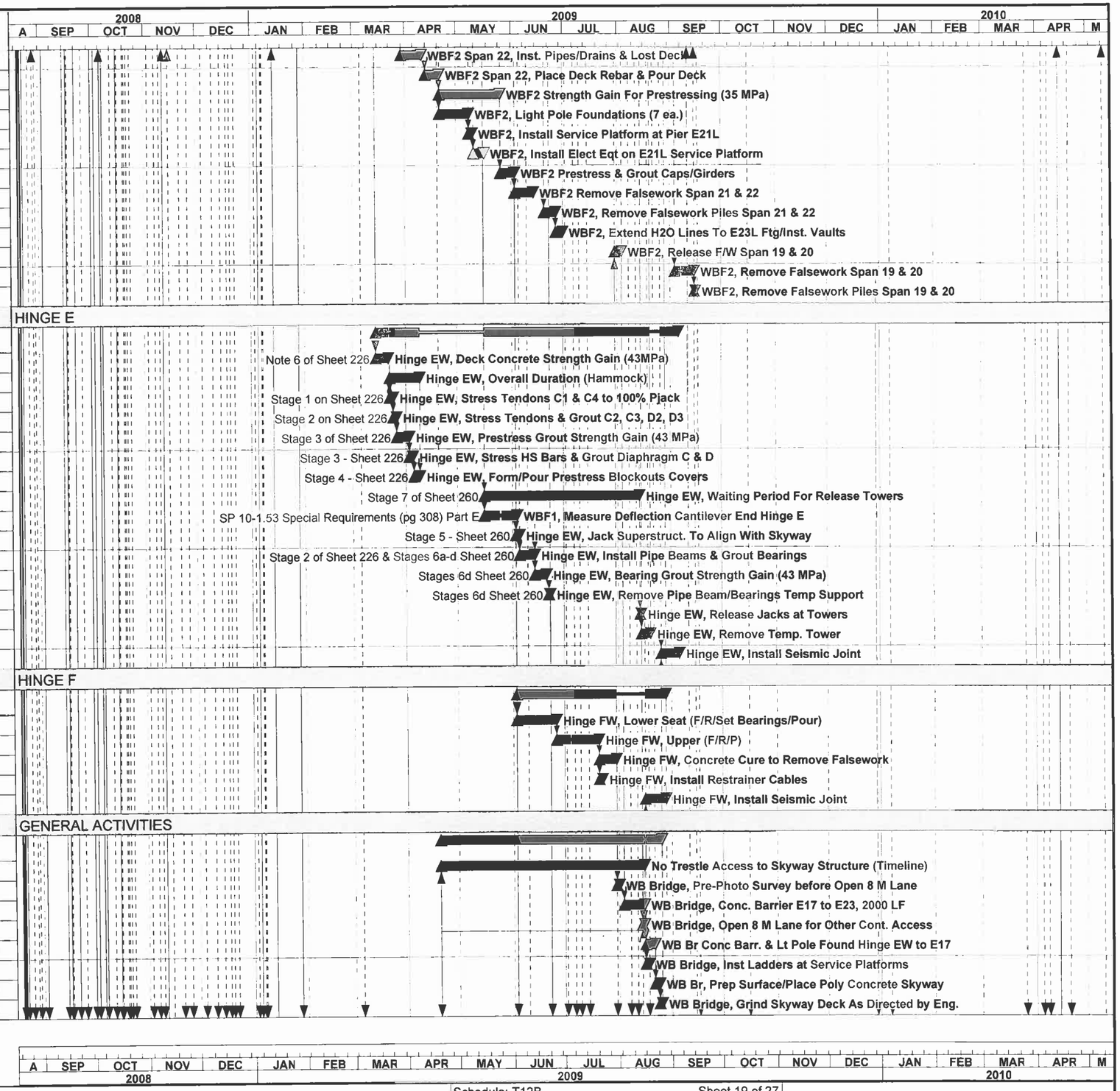
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4CON01860	WBF2 Span 22, Inst. Pipes/Drains & Lost Deck	3	11	-88	30MAR09	10APR09	12DEC08
L4CON01880	WBF2 Span 22, Place Deck Rebar & Pour Deck	3	7	-89	13APR09	20APR09	26DEC08
L4CON01920	WBF2 Strength Gain For Prestressing (35 MPa)	1	35	-106	21APR09	25MAY09	05JAN09
L4CON01890	WBF2, Light Pole Foundations (7 ea.)	3	15	-22	21APR09	07MAY09	26MAR09
L4CON01900	WBF2, Install Service Platform at Pier E21L	3	2	-22	08MAY09	09MAY09	13APR09
L4CON01910	WBF2, Install Elect Eqt on E21L Service Platform	3	6	14	11MAY09	16MAY09	28MAY09
L4CON01930	WBF2 Prestress & Grout Caps/Girders	3	7	-89	26MAY09	02JUN09	09FEB09
L4CON01940	WBF2 Remove Falsework Span 21 & 22	3	10	-41	03JUN09	13JUN09	15APR09
L4CON01950	WBF2, Remove Falsework Piles Span 21 & 22	3	6	-23	20JUN09	26JUN09	23MAY09
L4CON01955	WBF2, Extend H2O Lines To E23L Ftg/Inst. Vaults	3	3	-23	27JUN09	30JUN09	01JUN09
L4CON02140	WBF2, Release F/W Span 19 & 20	3	3	-90	31JUL09	03AUG09	15APR09
L4CON02160	WBF2, Remove Falsework Span 19 & 20	3	8	-3	04SEP09	14SEP09	01SEP09
L4CON02170	WBF2, Remove Falsework Piles Span 19 & 20	3	1	-3	15SEP09	15SEP09	11SEP09
HINGE E							
Subtotal		1	175	-21	15MAR09	05SEP09	06OCT08
L4CON01970	Hinge EW, Deck Concrete Strength Gain (43MPa)	1	7	-160	15MAR09	21MAR09	06OCT08
L4CON01966	Hinge EW, Overall Duration (Hammock)	1	17*	-161	23MAR09	08APR09	13OCT08
L4CON02010	Hinge EW, Stress Tendons C1 & C4 to 100% Pjack	3	2	-131	23MAR09	24MAR09	13OCT08
L4CON02015	Hinge EW, Stress Tendons & Grout C2, C3, D2, D3	3	2	-131	25MAR09	26MAR09	15OCT08
L4CON02020	Hinge EW, Prestress Grout Strength Gain (43 MPa)	1	7	-161	27MAR09	02APR09	17OCT08
L4CON02030	Hinge EW, Stress HS Bars & Grout Diaphragm C & D	3	2	-131	03APR09	04APR09	24OCT08
L4CON02040	Hinge EW, Form/Pour Prestress Blockouts Covers	3	3	-131	06APR09	08APR09	27OCT08
L4CON02050	Hinge EW, Waiting Period For Release Towers	1	90	-119	16MAY09	13AUG09	17JAN09
L4CON01595	WBF1, Measure Deflection Cantilever End Hinge E	3	15	-48	16MAY09	03JUN09	21MAR09
L4CON01960	Hinge EW, Jack Superstruct. To Align With Skyway	3	2	-56	03JUN09	04JUN09	28MAR09
L4CON01980	Hinge EW, Install Pipe Beams & Grout Bearings	3	8	-56	05JUN09	13JUN09	31MAR09
L4CON01990	Hinge EW, Bearing Grout Strength Gain (43 MPa)	1	7	-66	14JUN09	20JUN09	09APR09
L4CON02000	Hinge EW, Remove Pipe Beam/Bearings Temp Support	3	1	-56	22JUN09	22JUN09	16APR09
L4CON02060	Hinge EW, Release Jacks at Towers	3	1	-100	14AUG09	14AUG09	17APR09
L4CON02070	Hinge EW, Remove Temp. Tower	3	4	-3	15AUG09	19AUG09	12AUG09
L4CON02270	Hinge EW, Install Seismic Joint	3	10	-80	26AUG09	05SEP09	22MAY09
HINGE F							
Subtotal		1	87	-99	03JUN09	28AUG09	18FEB09
L4CON02100	Hinge FW, Lower Seat (F/R/Set Bearings/Pour)	3	20	-89	03JUN09	25JUN09	18FEB09
L4CON02110	Hinge FW, Upper (F/R/P)	3	20	-89	26JUN09	20JUL09	13MAR09
L4CON02130	Hinge FW, Concrete Cure to Remove Falsework	1	10	-107	21JUL09	30JUL09	05APR09
L4CON02120	Hinge FW, Install Restrainer Cables	3	2	-83	21JUL09	22JUL09	13APR09
L4CON02280	Hinge FW, Install Seismic Joint	3	11	-83	17AUG09	28AUG09	09MAY09
GENERAL ACTIVITIES							
Subtotal		1	128	-83	20APR09	25AUG09	19DEC08
L4CON02151	No Trestle Access to Skyway Structure (Timeline)	1	118	-119	20APR09	15AUG09	19DEC08
L4CON02149	WB Bridge, Pre-Photo Survey before Open 8 M Lane	3	1	-88	31JUL09	31JUL09	17APR09
L4CON02220	WB Bridge, Conc. Barrier E17 to E23, 2000 LF	3	11	-83	04AUG09	15AUG09	27APR09
L4CON02150	WB Bridge, Open 8 M Lane for Other Cont. Access	3	1	-100	15AUG09	15AUG09	18APR09
L4CON02240	WB Br Conc Barr. & Lt Pole Found Hinge EW to E17	3	5	-80	17AUG09	21AUG09	13MAY09
L4CON02230	WB Bridge, Inst Ladders at Service Platforms	3	2	-64	17AUG09	18AUG09	02JUN09
L4CON02250	WB Br, Prep Surface/Place Poly Concrete Skyway	3	2	-80	22AUG09	24AUG09	19MAY09
L4CON02260	WB Bridge, Grind Skyway Deck As Directed by Eng.	3	1	-80	25AUG09	25AUG09	21MAY09



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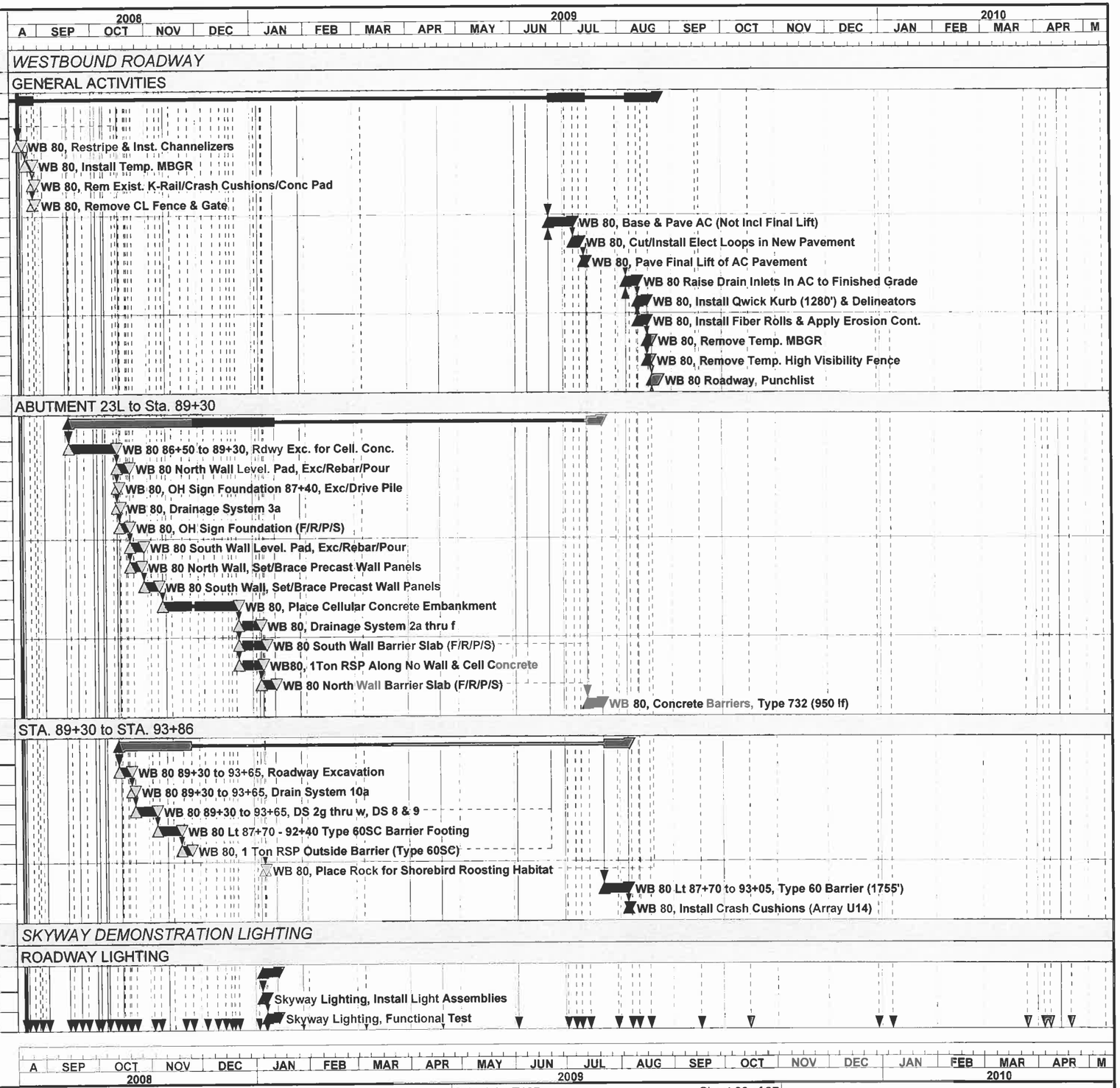
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
WESTBOUND ROADWAY							
GENERAL ACTIVITIES							
Subtotal		2	449	-56	14NOV07A	24AUG09	14NOV07A
L4CON02480	WB 80, Install Temp Electrical on North Side	2	10		14NOV07A	30NOV07A	14NOV07A
L4CON02490	WB 80, Restripe & Inst. Channelizers	2	2	56	21AUG08	22AUG08	10NOV08
L4CON02500	WB 80, Install Temp. MBGR	2	4	56	25AUG08	28AUG08	12NOV08
L4CON02510	WB 80, Rem Exist. K-Rail/Crash Cushions/Conc Pad	2	1	56	29AUG08	29AUG08	18NOV08
L4CON02515	WB 80, Remove CL Fence & Gate	2	1	56	29AUG08	29AUG08	18NOV08
L4CON02710	WB 80, Base & Pave AC (Not Incl Final Lift)	2	10	-56	23JUN09	06JUL09	03APR09
L4CON02720	WB 80, Cut/Install Elect Loops in New Pavement	2	4	-56	07JUL09	10JUL09	17APR09
L4CON02730	WB 80, Pave Final Lift of AC Pavement	2	1	-56	13JUL09	13JUL09	23APR09
L4CON02770	WB 80 Raise Drain Inlets In AC to Finished Grade	2	5	-56	06AUG09	12AUG09	19MAY09
L4CON02800	WB 80, Install Qwick Kurb (1280') & Delineators	2	3	-56	13AUG09	17AUG09	27MAY09
L4CON02780	WB 80, Install Fiber Rolls & Apply Erosion Cont.	2	3	-55	13AUG09	17AUG09	28MAY09
L4CON02820	WB 80, Remove Temp. MBGR	2	3	-56	18AUG09	20AUG09	01JUN09
L4CON02790	WB 80, Remove Temp. High Visibility Fence	2	2	-55	18AUG09	19AUG09	02JUN09
L4CON02880	WB 80 Roadway, Punchlist	2	2	-56	21AUG09	24AUG09	04JUN09
ABUTMENT 23L to Sta. 89+30							
Subtotal		2	214	-36	17SEP08	22JUL09	19NOV08
L4CON02520	WB 80 86+50 to 89+30, Rdwy Exc. for Cell. Conc.	2	20	45	17SEP08	14OCT08	19NOV08
L4CON02530	WB 80 North Wall Level. Pad. Exc/Rebar/Pour	2	5	45	15OCT08	21OCT08	19DEC08
L4CON02550	WB 80, OH Sign Foundation 87+40. Exc/Drive Pile	2	1	45	15OCT08	15OCT08	19DEC08
L4CON02590	WB 80, Drainage System 3a	2	2	61	15OCT08	16OCT08	14JAN09
L4CON02560	WB 80, OH Sign Foundation (F/R/P/S)	2	4	45	16OCT08	21OCT08	22DEC08
L4CON02570	WB 80 South Wall Level. Pad. Exc/Rebar/Pour	2	6	45	22OCT08	29OCT08	29DEC08
L4CON02540	WB 80 North Wall, Set/Brace Precast Wall Panels	2	5	53	22OCT08	28OCT08	09JAN09
L4CON02580	WB 80 South Wall, Set/Brace Precast Wall Panels	2	7	45	30OCT08	07NOV08	07JAN09
L4CON02600	WB 80, Place Cellular Concrete Embankment	2	30	45	10NOV08	23DEC08	16JAN09
L4CON02630	WB 80, Drainage System 2a thru f	2	7	45	24DEC08	05JAN09	03MAR09
L4CON02640	WB 80 South Wall Barrier Slab (F/R/P/S)	2	10	49	24DEC08	08JAN09	09MAR09
L4CON02610	WB80, 1Ton RSP Along No Wall & Cell Concrete	2	8	102	24DEC08	06JAN09	21MAY09
L4CON02650	WB 80 North Wall Barrier Slab (F/R/P/S)	2	7	45	06JAN09	14JAN09	12MAR09
L4CON02740	WB 80, Concrete Barriers, Type 732 (950 lf)	2	7	-56	14JUL09	22JUL09	24APR09
STA. 89+30 to STA. 93+86							
Subtotal		2	205	-46	15OCT08	06AUG09	20FEB09
L4CON02660	WB 80 89+30 to 93+65, Roadway Excavation	2	5	86	15OCT08	21OCT08	20FEB09
L4CON02670	WB 80 89+30 to 93+65, Drain System 10a	2	2	86	22OCT08	23OCT08	27FEB09
L4CON02680	WB 80 89+30 to 93+65, DS 2g thru w, DS 8 & 9	2	9	86	24OCT08	05NOV08	03MAR09
L4CON02690	WB 80 Lt 87+70 - 92+40 Type 60SC Barrier Footing	2	10	86	06NOV08	19NOV08	16MAR09
L4CON02700	WB 80, 1 Ton RSP Outside Barrier (Type 60SC)	2	4	86	20NOV08	25NOV08	30MAR09
L4CON02620	WB 80, Place Rock for Shorebird Roosting Habitat	2	1	102	07JAN09	07JAN09	03JUN09
L4CON02750	WB 80 Lt 87+70 to 93+05, Type 60 Barrier (1755')	2	10	-56	23JUL09	05AUG09	05MAY09
L4CON02760	WB 80, Install Crash Cushions (Array U14)	2	1	-52	06AUG09	06AUG09	26MAY09
SKYWAY DEMONSTRATION LIGHTING							
ROADWAY LIGHTING							
Subtotal		1	10	-227	05JAN09	14JAN09	21MAY08
L4CON02910	Skyway Lighting, Install Light Assemblies	2	3	-157	05JAN09	07JAN09	21MAY08
L4CON02920	Skyway Lighting, Functional Test	1	7	-227	08JAN09	14JAN09	26MAY08



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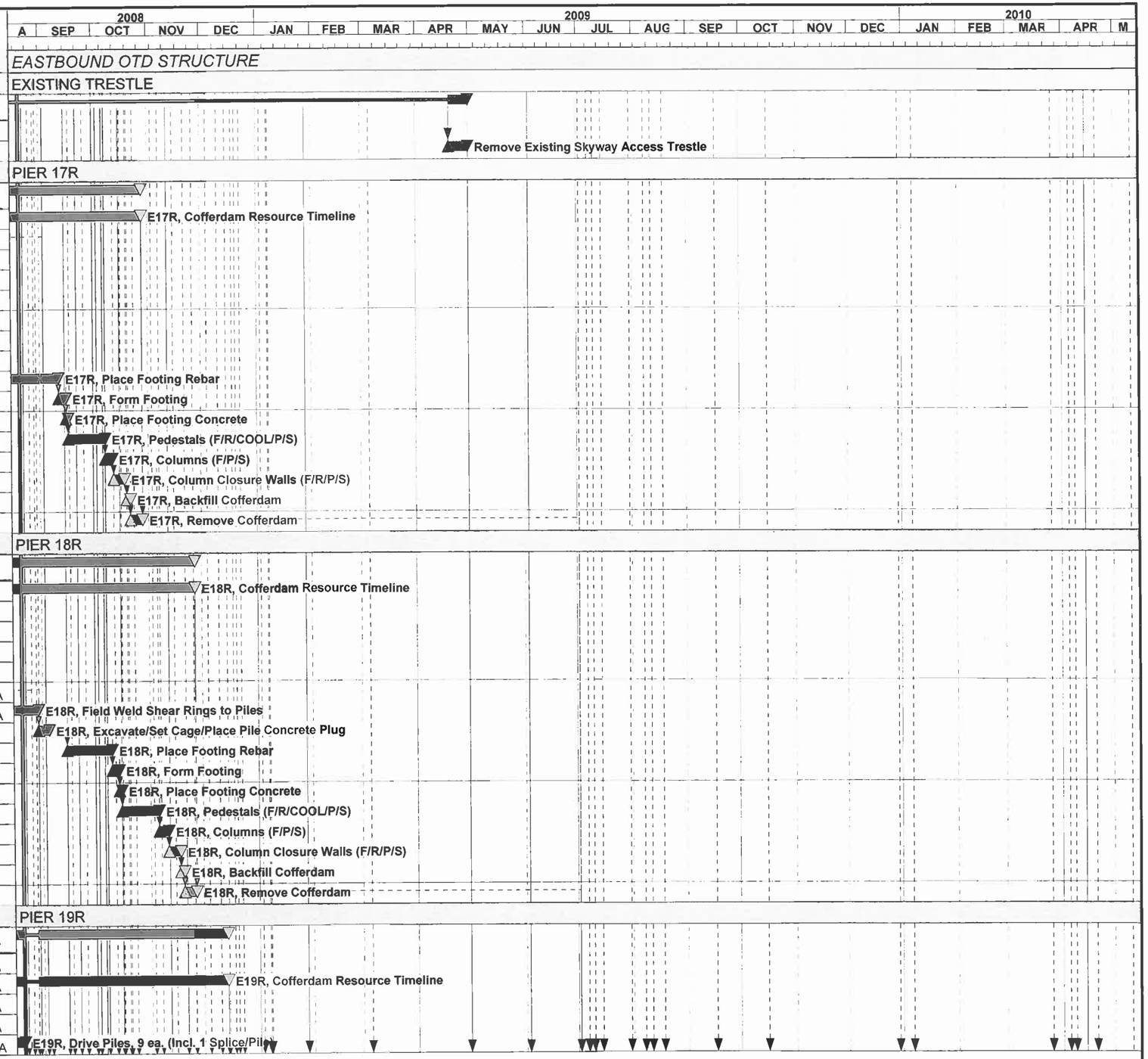
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
EASTBOUND OTD STRUCTURE							
EXISTING TRESTLE							
Subtotal		3	293	-100	12MAY08A	30APR09	12MAY08A
L4CON03420	Mod Exist Skwy Access/Rem. Batter Pile Bt 8&9	3	8		12MAY08A	06JUN08A	12MAY08A
L4CON03890	Remove Existing Skyway Access Trestle	3	10	-100	20APR09	30APR09	19DEC08
PIER 17R							
Subtotal		1	167	79	15MAY08A	28OCT08	15MAY08A
L4CONE17RC	E17R, Cofferdam Resource Timeline	1	167*	79	15MAY08A	28OCT08	15MAY08A
L4CON03430	E17R, Install Cofferdam	3	12		15MAY08A	09JUN08A	15MAY08A
L4CON03440	E17R. Excavate Footing	3	7		13JUN08A	16JUN08A	13JUN08A
L4CON03450	E17R, Drive Piles. 9 ea. (Incl. 1 Splice/Pile)	3	18		19JUN08A	03JUL08A	19JUN08A
L4TIA03450	E17R, Modification to Footing Exc (CCO #30)	3	6		08JUL08A	10JUL08A	08JUL08A
L4CON03460	E17R, Dewater & Place Leveling Concrete	3	2		11JUL08A	12JUL08A	11JUL08A
L4CON03480	E17R, Field Weld Shear Rings to Piles	3	18		14JUL08A	01AUG08A	14JUL08A
L4CON03470	E17R, Excavate/Set Cage/Place Pile Concrete Plug	3	4		06AUG08A	07AUG08A	06AUG08A
L4CON03500	E17R, Place Footing Rebar	3	23	0	08AUG08A	11SEP08	08AUG08A
L4CON03490	E17R, Form Footing	3	3	0	12SEP08	15SEP08	12SEP08
L4CON03510	E17R, Place Footing Concrete	3	1	0	16SEP08	16SEP08	16SEP08
L4CON03520	E17R, Pedestals (F/R/COOL/P/S)	3	18	0	17SEP08	07OCT08	17SEP08
L4CON03530	E17R, Columns (F/P/S)	3	4	0	08OCT08	11OCT08	08OCT08
L4CON03540	E17R, Column Closure Walls (F/R/P/S)	3	6	63	13OCT08	18OCT08	30DEC08
L4CON03550	E17R, Backfill Cofferdam	3	2	63	20OCT08	21OCT08	07JAN09
L4CON03560	E17R, Remove Cofferdam	3	6	63	22OCT08	28OCT08	09JAN09
PIER 18R							
Subtotal		1	163	50	17JUN08A	26NOV08	17JUN08A
L4CONE18RC	E18R, Cofferdam Resource Timeline	1	163*	50	17JUN08A	26NOV08	17JUN08A
L4CON03280	E18R, Install Cofferdam	3	10		17JUN08A	02JUL08A	17JUN08A
L4CON03290	E18R. Excavate Footing	3	6		03JUL08A	07JUL08A	03JUL08A
L4CON03300	E18R, Drive Piles. 9 ea. (Incl. 1 Splice/Pile)	3	18		10JUL08A	26JUL08A	10JUL08A
L4TIA03300	E18R, Modification to Footing Exc (CCO #30)	3	6		28JUL08A	05AUG08A	28JUL08A
L4CON03310	E18R, Dewater & Place Leveling Concrete	3	2		06AUG08A	06AUG08A	06AUG08A
L4CON03330	E18R, Field Weld Shear Rings to Piles	3	18	-21	07AUG08A	29AUG08	07AUG08A
L4CON03320	E18R, Excavate/Set Cage/Place Pile Concrete Plug	3	4	-13	30AUG08	04SEP08	15AUG08
L4CON03350	E18R, Place Footing Rebar	3	23	-21	15SEP08	10OCT08	20AUG08
L4CON03340	E18R, Form Footing	3	3	-21	11OCT08	14OCT08	17SEP08
L4CON03360	E18R, Place Footing Concrete	3	1	-21	15OCT08	15OCT08	20SEP08
L4CON03370	E18R, Pedestals (F/R/COOL/P/S)	3	18	-21	16OCT08	05NOV08	22SEP08
L4CON03380	E18R, Columns (F/P/S)	3	4	-21	06NOV08	10NOV08	13OCT08
L4CON03390	E18R, Column Closure Walls (F/R/P/S)	3	6	38	11NOV08	17NOV08	30DEC08
L4CON03400	E18R, Backfill Cofferdam	3	2	38	18NOV08	19NOV08	07JAN09
L4CON03410	E18R, Remove Cofferdam	3	6	38	20NOV08	26NOV08	09JAN09
PIER 19R							
Subtotal		1	165	2	02JUL08A	13DEC08	02JUL08A
L4CON03145	E19R, Remove Obstructions	3	4		02JUL08A	07JUL08A	02JUL08A
L4CONE19RC	E19R, Cofferdam Resource Timeline	1	157*	2	10JUL08A	13DEC08	10JUL08A
L4CON03150	E19R, Install Cofferdam	3	12		10JUL08A	26JUL08A	10JUL08A
L4CON03160	E19R. Excavate Footing	3	5		31JUL08A	05AUG08A	31JUL08A
L4CON03170	E19R, Drive Piles. 9 ea. (Incl. 1 Splice/Pile)	3	18		07AUG08A	20AUG08A	07AUG08A



Start Date	22AUG07
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Early Bar
Progress Bar
Critical Activity

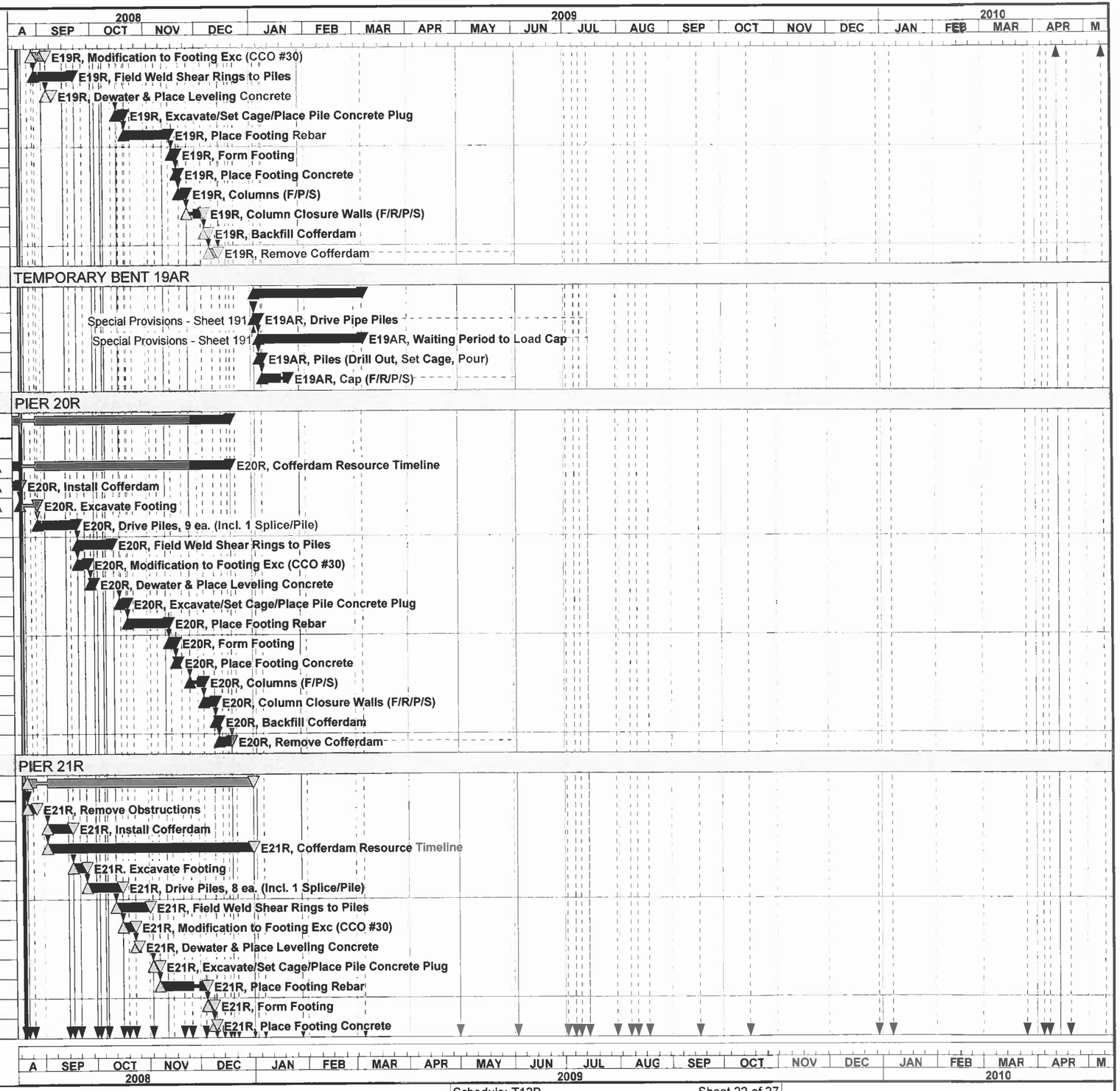
MCM Construction, Inc.

Copy: T12A - Add SJ back and FW link

Schedule: T12B
Layout: 35 - MCM Classic View
Filter: All

Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4TIA03170	E19R, Modification to Footing Exc (CCO #30)	3	6	2	29AUG08	05SEP08	02SEP08
L4CON03200	E19R, Field Weld Shear Rings to Piles	3	18	-21	30AUG08	20SEP08	06AUG08
L4CON03180	E19R, Dewater & Place Leveling Concrete	3	2	2	06SEP08	08SEP08	09SEP08
L4CON03190	E19R, Excavate/Set Cage/Place Pile Concrete Plug	3	4	-30	16OCT08	20OCT08	11SEP08
L4CON03220	E19R, Place Footing Rebar	3	23	-30	21OCT08	15NOV08	16SEP08
L4CON03210	E19R, Form Footing	3	3	-30	17NOV08	19NOV08	13OCT08
L4CON03230	E19R, Place Footing Concrete	3	1	-30	20NOV08	20NOV08	16OCT08
L4CON03240	E19R, Columns (F/P/S)	3	4	-30	21NOV08	25NOV08	17OCT08
L4CON03250	E19R, Column Closure Walls (F/R/P/S)	3	6	1	26NOV08	05DEC08	01DEC08
L4CON03260	E19R, Backfill Cofferdam	3	2	1	06DEC08	08DEC08	08DEC08
L4CON03270	E19R, Remove Cofferdam	3	5	1	09DEC08	13DEC08	10DEC08
TEMPORARY BENT 19AR							
Subtotal		1	63	-38	03JAN09	06MAR09	24NOV08
L4CON03870	E19AR, Drive Pipe Piles	3	2	-30	03JAN09	05JAN09	24NOV08
L4CON03871	E19AR, Waiting Period to Load Cap	1	60	-38	06JAN09	06MAR09	29NOV08
L4CON03875	E19AR, Piles (Drill Out, Set Cage, Pour)	3	2	-30	06JAN09	07JAN09	26NOV08
L4CON03880	E19AR, Cap (F/R/P/S)	3	12	-30	08JAN09	22JAN09	02DEC08
PIER 20R							
Subtotal		1	145	-38	28JUL08A	19DEC08	28JUL08A
L4CON03000	E20R, Remove Obstructions	3	1		28JUL08A	04AUG08A	28JUL08A
L4CONE20RC	E20R, Cofferdam Resource Timeline	1	134*	-38	08AUG08A	19DEC08	08AUG08A
L4CON03010	E20R, Install Cofferdam	3	12		08AUG08A	20AUG08A	08AUG08A
L4CON03020	E20R. Excavate Footing	3	7	-11	20AUG08A	29AUG08	20AUG08A
L4CON03030	E20R, Drive Piles, 9 ea. (Incl. 1 Splice/Pile)	3	18	-11	30AUG08	20SEP08	18AUG08
L4CON03060	E20R, Field Weld Shear Rings to Piles	3	18	-21	22SEP08	11OCT08	27AUG08
L4TIA03030	E20R, Modification to Footing Exc (CCO #30)	3	6	-11	22SEP08	27SEP08	09SEP08
L4CON03040	E20R, Dewater & Place Leveling Concrete	3	2	-11	29SEP08	30SEP08	16SEP08
L4CON03050	E20R, Excavate/Set Cage/Place Pile Concrete Plug	3	4	-24	16OCT08	20OCT08	18SEP08
L4CON03080	E20R, Place Footing Rebar	3	21	-24	21OCT08	13NOV08	23SEP08
L4CON03070	E20R, Form Footing	3	3	-24	14NOV08	17NOV08	17OCT08
L4CON03090	E20R, Place Footing Concrete	3	1	-24	18NOV08	18NOV08	21OCT08
L4CON03110	E20R, Columns (F/P/S)	3	4	-30	26NOV08	03DEC08	22OCT08
L4CON03120	E20R, Column Closure Walls (F/R/P/S)	3	6	-30	04DEC08	10DEC08	27OCT08
L4CON03130	E20R, Backfill Cofferdam	3	2	-30	11DEC08	12DEC08	03NOV08
L4CON03140	E20R, Remove Cofferdam	3	6	-30	13DEC08	19DEC08	05NOV08
PIER 21R							
Subtotal		1	131	311	23AUG08	31DEC08	04NOV08
L4CON03570	E21R, Remove Obstructions	3	4	61	23AUG08	27AUG08	04NOV08
L4CON03580	E21R, Install Cofferdam	3	13	257	03SEP08	17SEP08	10JUL09
L4CONE21RC	E21R, Cofferdam Resource Timeline	1	120*	311	03SEP08	31DEC08	10JUL09
L4CON03590	E21R. Excavate Footing	3	7	257	18SEP08	25SEP08	25JUL09
L4CON03600	E21R, Drive Piles, 8 ea. (Incl. 1 Splice/Pile)	3	18	257	26SEP08	16OCT08	03AUG09
L4CON03630	E21R, Field Weld Shear Rings to Piles	3	18	253	13OCT08	01NOV08	14AUG09
L4TIA03600	E21R, Modification to Footing Exc (CCO #30)	3	6	267	17OCT08	23OCT08	04SEP09
L4CON03610	E21R, Dewater & Place Leveling Concrete	3	2	267	24OCT08	25OCT08	12SEP09
L4CON03620	E21R, Excavate/Set Cage/Place Pile Concrete Plug	3	4	261	03NOV08	06NOV08	15SEP09
L4CON03650	E21R, Place Footing Rebar	3	21	261	07NOV08	04DEC08	19SEP09
L4CON03640	E21R, Form Footing	3	3	261	05DEC08	08DEC08	14OCT09
L4CON03660	E21R, Place Footing Concrete	3	1	261	09DEC08	09DEC08	17OCT09



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Early Bar
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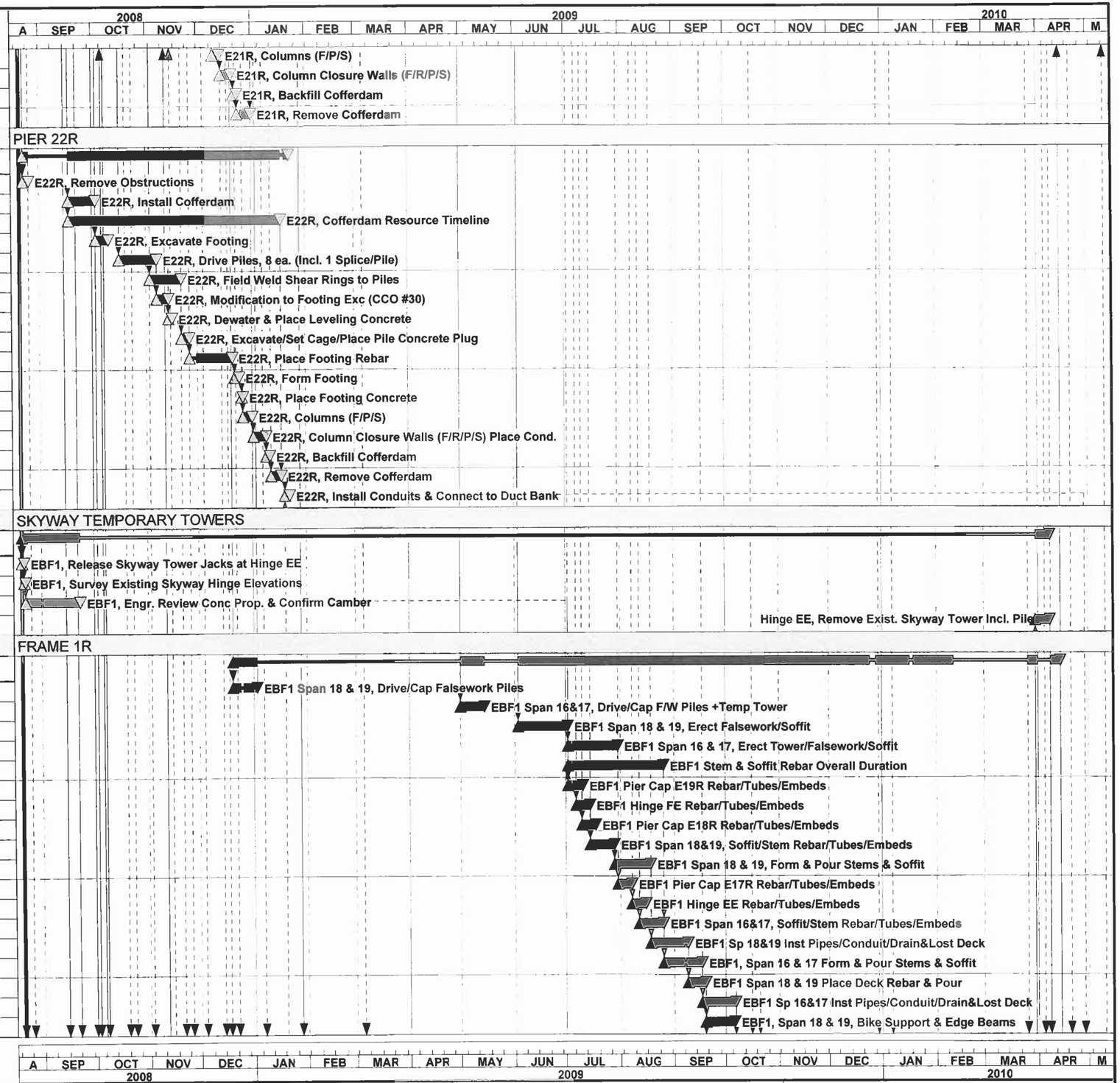
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4CON03670	E21R, Columns (F/P/S)	3	4	261	10DEC08	13DEC08	19OCT09
L4CON03680	E21R, Column Closure Walls (F/R/P/S)	3	6	261	15DEC08	20DEC08	23OCT09
L4CON03690	E21R, Backfill Cofferdam	3	2	261	22DEC08	23DEC08	30OCT09
L4CON03700	E21R, Remove Cofferdam	3	6	261	24DEC08	31DEC08	02NOV09
PIER 22R							
Subtotal		1	153	300	23AUG08	22JAN09	29JUL09
L4CON03710	E22R, Remove Obstructions	3	2	281	23AUG08	25AUG08	29JUL09
L4CON03720	E22R, Install Cofferdam	3	13	262	18SEP08	02OCT08	31JUL09
L4CONE22RC	E22R, Cofferdam Resource Timeline	1	122*	301	18SEP08	17JAN09	31JUL09
L4CON03730	E22R. Excavate Footing	3	7	262	03OCT08	10OCT08	15AUG09
L4CON03740	E22R, Drive Piles, 8 ea. (Incl. 1 Splice/Pile)	3	18	257	17OCT08	06NOV08	24AUG09
L4CON03770	E22R, Field Weld Shear Rings to Piles	3	16	253	03NOV08	20NOV08	04SEP09
L4TIA03740	E22R, Modification to Footing Exc (CCO #30)	3	6	257	07NOV08	13NOV08	15SEP09
L4CON03750	E22R, Dewater & Place Leveling Concrete	3	2	257	14NOV08	15NOV08	22SEP09
L4CON03760	E22R, Excavate/Set Cage/Place Pile Concrete Plug	3	4	253	21NOV08	25NOV08	24SEP09
L4CON03790	E22R, Place Footing Rebar	3	19	253	26NOV08	20DEC08	29SEP09
L4CON03780	E22R, Form Footing	3	3	253	22DEC08	24DEC08	21OCT09
L4CON03800	E22R, Place Footing Concrete	3	1	253	26DEC08	26DEC08	24OCT09
L4CON03810	E22R, Columns (F/P/S)	3	4	253	27DEC08	31DEC08	26OCT09
L4CON03820	E22R, Column Closure Walls (F/R/P/S) Place Cond.	3	6	253	02JAN09	08JAN09	30OCT09
L4CON03830	E22R, Backfill Cofferdam	3	2	253	09JAN09	10JAN09	06NOV09
L4CON03840	E22R, Remove Cofferdam	3	6	253	12JAN09	17JAN09	09NOV09
L4CON03850	E22R, Install Conduits & Connect to Duct Bank	3	3	253	20JAN09	22JAN09	16NOV09
SKYWAY TEMPORARY TOWERS							
Subtotal		3	491	-136	21AUG08	08APR10	13DEC08
L4CON03930	EBF1, Release Skyway Tower Jacks at Hinge EE	3	1	94	21AUG08	21AUG08	13DEC08
L4CON03940	EBF1, Survey Existing Skyway Hinge Elevations	3	1	94	22AUG08	22AUG08	15DEC08
L4CON03950	EBF1, Engr. Review Conc Prop. & Confirm Camber	3	25	94	23AUG08	22SEP08	16DEC08
L4CON04320	Hinge EE, Remove Exist. Skyway Tower Incl. Piles	3	8	-136	31MAR10	08APR10	13OCT09
FRAME 1R							
Subtotal		1	481	-147	20DEC08	14APR10	12NOV08
L4CON03860	EBF1 Span 18 & 19, Drive/Cap Falsework Piles	3	10	-30	20DEC08	02JAN09	12NOV08
L4CON03910	EBF1 Span 16&17, Drive/Cap F/W Piles +Temp Tower	3	12	-100	01MAY09	14MAY09	02JAN09
L4CON03920	EBF1 Span 18 & 19, Erect Falsework/Soffit	3	25	-140	03JUN09	01JUL09	16DEC08
L4CON03960	EBF1 Span 16 & 17, Erect Tower/Falsework/Soffit	3	24	-140	02JUL09	30JUL09	16JAN09
L4CON07500	EBF1 Stem & Soffit Rebar Overall Duration	3	46*	-140	02JUL09	25AUG09	24JAN09
L4CON07480	EBF1 Pier Cap E19R Rebar/Tubes/Embeds	3	7	-134	02JUL09	10JUL09	24JAN09
L4CON07490	EBF1 Hinge FE Rebar/Tubes/Embeds	3	7	-134	07JUL09	14JUL09	28JAN09
L4CON07470	EBF1 Pier Cap E18R Rebar/Tubes/Embeds	3	7	-134	10JUL09	17JUL09	31JAN09
L4CON03970	EBF1 Span 18&19, Soffit/Stem Rebar/Tubes/Embeds	3	12	-134	15JUL09	28JUL09	05FEB09
L4CON03990	EBF1 Span 18 & 19, Form & Pour Stems & Soffit	3	18	-134	29JUL09	18AUG09	20FEB09
L4CON07460	EBF1 Pier Cap E17R Rebar/Tubes/Embeds	3	7	-140	31JUL09	07AUG09	14FEB09
L4CON07450	EBF1 Hinge EE Rebar/Tubes/Embeds	3	7	-140	08AUG09	15AUG09	24FEB09
L4CON03980	EBF1 Span 16&17, Soffit/Stem Rebar/Tubes/Embeds	3	12	-140	12AUG09	25AUG09	27FEB09
L4CON04010	EBF1 Sp 18&19 Inst Pipes/Conduit/Drain&Lost Deck	3	17	-133	19AUG09	08SEP09	14MAR09
L4CON04000	EBF1, Span 16 & 17 Form & Pour Stems & Soffit	3	18	-140	26AUG09	16SEP09	13MAR09
L4CON04030	EBF1 Span 18 & 19 Place Deck Rebar & Pour	3	9	-125	09SEP09	18SEP09	13APR09
L4CON04020	EBF1 Sp 16&17 Inst Pipes/Conduit/Drain&Lost Deck	3	17	-140	17SEP09	06OCT09	03APR09
L4CON04040	EBF1, Span 18 & 19, Bike Support & Edge Beams	3	14	-49	19SEP09	05OCT09	23JUL09



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Early Bar
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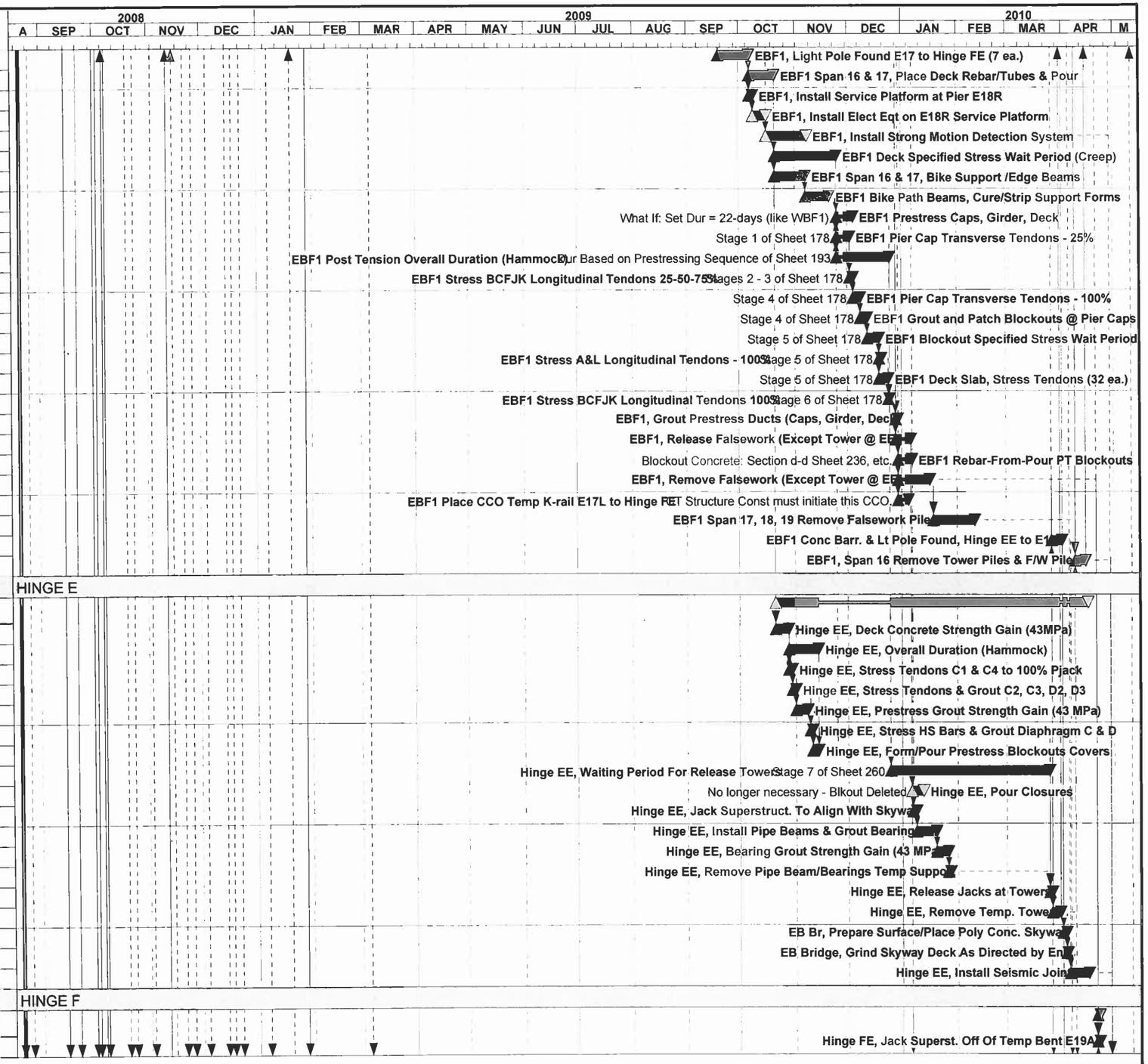
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
L4CON04100	EBF1, Light Pole Found E17 to Hinge FE (7 ea.)	3	15	-25	19SEP09	06OCT09	20AUG09
L4CON04050	EBF1 Span 16 & 17, Place Deck Rebar/Tubes & Pour	3	12	-140	07OCT09	20OCT09	23APR09
L4CON04110	EBF1, Install Service Platform at Pier E18R	3	2	-25	07OCT09	08OCT09	08SEP09
L4CON04120	EBF1, Install Elect Eqt on E18R Service Platform	3	6	9	09OCT09	15OCT09	20OCT09
L4CON04370	EBF1, Install Strong Motion Detection System	3	20	9	16OCT09	07NOV09	27OCT09
L4CON04090	EBF1 Deck Specified Stress Wait Period (Creep)	1	35	-167	21OCT09	24NOV09	07MAY09
L4CON04060	EBF1 Span 16 & 17, Bike Support /Edge Beams	3	15	-62	21OCT09	06NOV09	08AUG09
L4CON04070	EBF1 Bike Path Beams, Cure/Strip Support Forms	3	12	-62	07NOV09	20NOV09	26AUG09
L4CON04130	EBF1 Prestress Caps, Girder, Deck	3	5	-141	25NOV09	03DEC09	11JUN09
L4CON64130	EBF1 Pier Cap Transverse Tendons - 25%	3	3	-141	25NOV09	01DEC09	11JUN09
L4CON64140	EBF1 Post Tension Overall Duration (Hammock)	3	23*	-141	25NOV09	24DEC09	11JUN09
L4CON64150	EBF1 Stress BCFJK Longitudinal Tendons 25-50-75%	3	2	-141	02DEC09	03DEC09	15JUN09
L4CON64160	EBF1 Pier Cap Transverse Tendons - 100%	3	3	-141	04DEC09	07DEC09	17JUN09
L4CON64180	EBF1 Grout and Patch Blockouts @ Pier Caps	3	4	-141	08DEC09	11DEC09	20JUN09
L4CON64190	EBF1 Blockout Specified Stress Wait Period	1	7	-170	12DEC09	18DEC09	25JUN09
L4CON64200	EBF1 Stress A&L Longitudinal Tendons - 100%	3	1	-141	19DEC09	19DEC09	02JUL09
L4CON64210	EBF1 Deck Slab, Stress Tendons (32 ea.)	3	4	-141	19DEC09	23DEC09	02JUL09
L4CON64220	EBF1 Stress BCFJK Longitudinal Tendons 100%	3	1	-141	24DEC09	24DEC09	08JUL09
L4CON04140	EBF1, Grout Prestress Ducts (Caps, Girder, Deck)	3	2	-89	28DEC09	29DEC09	09SEP09
L4CON04150	EBF1, Release Falsework (Except Tower @ EE)	3	6	-88	28DEC09	05JAN10	10SEP09
L4CON62455	EBF1 Rebar-From-Pour PT Blockouts	3	5	-89	30DEC09	06JAN10	11SEP09
L4CON04160	EBF1, Remove Falsework (Except Tower @ EE)	3	14	-88	30DEC09	16JAN10	12SEP09
L4CON62465	EBF1 Place CCO Temp K-rail E17L to Hinge FE	3	3	-87	30DEC09	04JAN10	14SEP09
L4CON04170	EBF1 Span 17, 18, 19 Remove Falsework Piles	3	20	-88	19JAN10	10FEB10	29SEP09
L4CON04360	EBF1 Conc Barr. & Lt Pole Found, Hinge EE to E17	3	5	-125	26MAR10	31MAR10	21OCT09
L4CON04330	EBF1, Span 16 Remove Tower Piles & F/W Piles	3	5	-136	09APR10	14APR10	22OCT09
HINGE E							
Subtotal		1	177	26	21OCT09	15APR10	16MAY09
L4CON04210	Hinge EE, Deck Concrete Strength Gain (43MPa)	1	7	-158	21OCT09	27OCT09	16MAY09
L4CON04205	Hinge EE, Overall Duration (Hammock)	1	17*	-156	28OCT09	13NOV09	23MAY09
L4CON04250	Hinge EE, Stress Tendons C1 & C4 to 100% Pjack	3	2	-132	28OCT09	29OCT09	23MAY09
L4CON04255	Hinge EE, Stress Tendons & Grout C2, C3, D2, D3	3	2	-132	30OCT09	31OCT09	27MAY09
L4CON04260	Hinge EE, Prestress Grout Strength Gain (43 MPa)	1	7	-156	01NOV09	07NOV09	29MAY09
L4CON04270	Hinge EE, Stress HS Bars & Grout Diaphragm C & D	3	2	-132	09NOV09	10NOV09	05JUN09
L4CON04280	Hinge EE, Form/Pour Prestress Blockouts Covers	3	3	-132	11NOV09	13NOV09	08JUN09
L4CON04290	Hinge EE, Waiting Period For Release Towers	1	90	-169	25DEC09	24MAR10	09JUL09
L4CON04200	Hinge EE, Pour Closures	3	6	100	06JAN10	12JAN10	05MAY10
L4CON04195	Hinge EE, Jack Superstruct. To Align With Skyway	3	2	-89	07JAN10	08JAN10	17SEP09
L4CON04220	Hinge EE, Install Pipe Beams & Grout Bearings	3	8	-89	09JAN10	19JAN10	19SEP09
L4CON04230	Hinge EE, Bearing Grout Strength Gain (43 MPa)	1	7	-113	20JAN10	26JAN10	29SEP09
L4CON04240	Hinge EE, Remove Pipe Beam/Bearings Temp Support	3	1	-89	27JAN10	27JAN10	06OCT09
L4CON04300	Hinge EE, Release Jacks at Towers	3	1	-136	25MAR10	25MAR10	07OCT09
L4CON04310	Hinge EE, Remove Temp. Tower	3	4	-136	26MAR10	30MAR10	08OCT09
L4CON04440	EB Br, Prepare Surface/Place Poly Conc. Skyway	3	2	-118	01APR10	02APR10	04NOV09
L4CON04450	EB Bridge, Grind Skyway Deck As Directed by Eng.	3	1	-118	03APR10	03APR10	06NOV09
L4CON04460	Hinge EE, Install Seismic Joint	3	10	-118	05APR10	15APR10	07NOV09
HINGE F							
Subtotal		3	1	-123	21APR10	21APR10	18NOV09
L4CON04430	Hinge FE, Jack Superst. Off Of Temp Bent E19AR	3	1	-123	21APR10	21APR10	18NOV09



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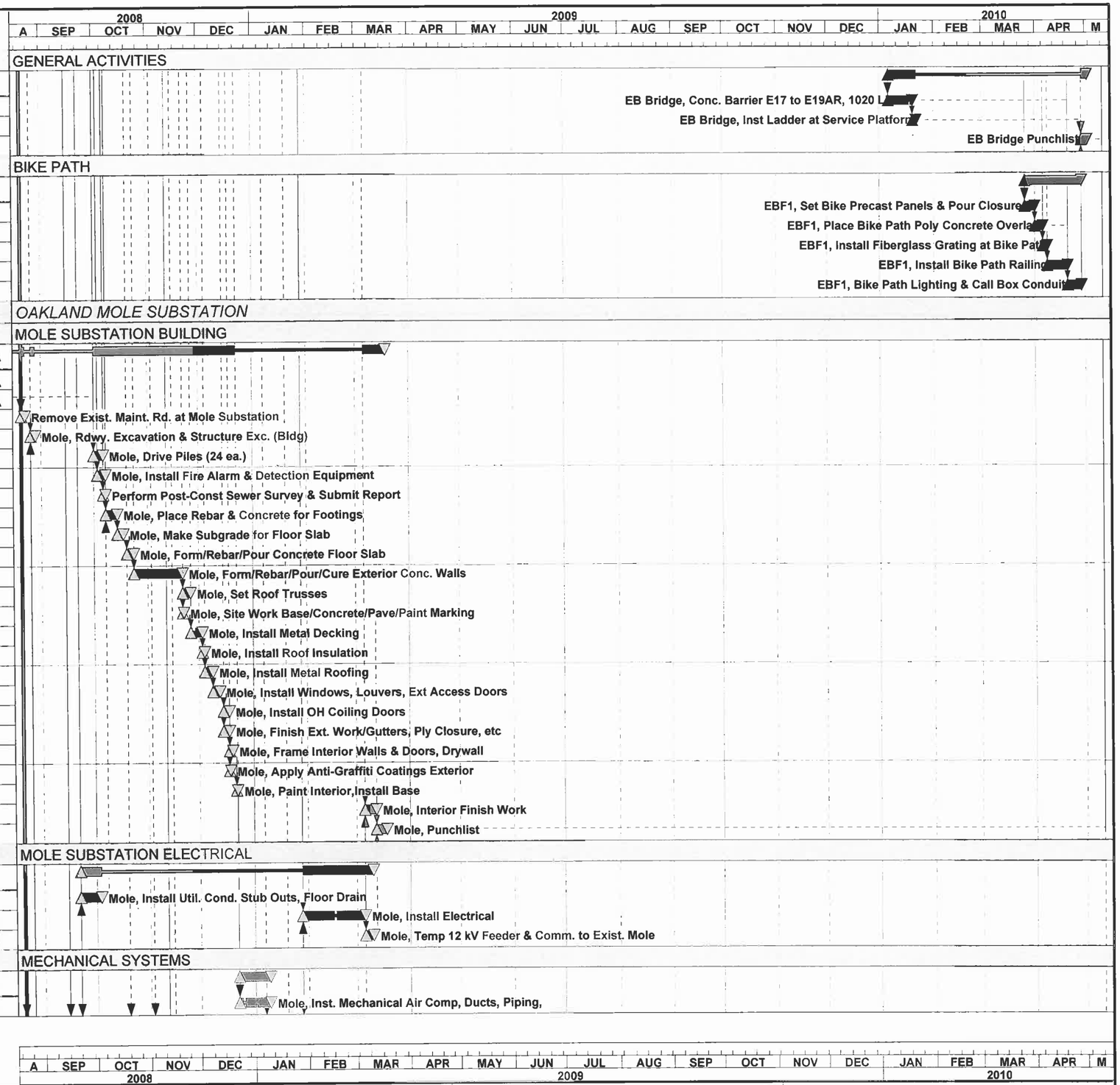
Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
GENERAL ACTIVITIES							
Subtotal		3	98	-129	06JAN10	01MAY10	08OCT09
L4CON04180	EB Bridge, Conc. Barrier E17 to E19AR, 1020 LF	3	11	-70	06JAN10	19JAN10	08OCT09
L4CON04190	EB Bridge, Inst Ladder at Service Platform	3	2	-47	20JAN10	21JAN10	17NOV09
L4CON04550	EB Bridge Punchlist	3	3	-129	29APR10	01MAY10	19NOV09
BIKE PATH							
Subtotal		3	29	-129	26MAR10	28APR10	16OCT09
L4CON04380	EBF1, Set Bike Precast Panels & Pour Closures	3	5	-129	26MAR10	31MAR10	16OCT09
L4CON04390	EBF1, Place Bike Path Poly Concrete Overlay	3	4	-129	01APR10	05APR10	22OCT09
L4CON04400	EBF1, Install Fiberglass Grating at Bike Path	3	3	-129	06APR10	08APR10	27OCT09
L4CON04410	EBF1, Install Bike Path Railing	3	10	-129	09APR10	20APR10	30OCT09
L4CON04420	EBF1, Bike Path Lighting & Call Box Conduits	3	7	-129	21APR10	28APR10	11NOV09
OAKLAND MOLE SUBSTATION							
MOLE SUBSTATION BUILDING							
Subtotal		2	364	175	08OCT07A	18MAR09	08OCT07A
L4CON05010	Perform Sewer Outfall Survey & Prepare Report	2	8		08OCT07A	24OCT07A	08OCT07A
L4CON05020	Submit Pre-Const Sewer Investigation Report	2	5		25OCT07A	31OCT07A	25OCT07A
L4CON05030	Remove Exist. Maint. Rd. at Mole Substation	2	2	210	21AUG08	22AUG08	23JUN09
L4CON05040	Mole, Rdwy. Excavation & Structure Exc. (Bldg)	2	3	209	26AUG08	28AUG08	25JUN09
L4CON05050	Mole, Drive Piles (24 ea.)	2	4	187	01OCT08	06OCT08	30JUN09
L4CON05240	Mole, Install Fire Alarm & Detection Equipment	2	3	276	03OCT08	07OCT08	05NOV09
L4CON05055	Perform Post-Const Sewer Survey & Submit Report	2	1	187	07OCT08	07OCT08	06JUL09
L4CON05070	Mole, Place Rebar & Concrete for Footings	2	5	187	08OCT08	14OCT08	07JUL09
L4CON05080	Mole, Make Subgrade for Floor Slab	2	3	187	15OCT08	17OCT08	14JUL09
L4CON05090	Mole, Form/Rebar/Pour Concrete Floor Slab	2	4	187	20OCT08	23OCT08	17JUL09
L4CON05100	Mole, Form/Rebar/Pour/Cure Exterior Conc. Walls	2	20	187	24OCT08	20NOV08	23JUL09
L4CON05110	Mole, Set Roof Trusses	2	3	187	21NOV08	25NOV08	20AUG09
L4CON05260	Mole, Site Work Base/Concrete/Pave/Paint Marking	2	1	248	21NOV08	21NOV08	16NOV09
L4CON05120	Mole, Install Metal Decking	2	3	187	26NOV08	02DEC08	25AUG09
L4CON05130	Mole, Install Roof Insulation	2	1	187	03DEC08	03DEC08	28AUG09
L4CON05140	Mole, Install Metal Roofing	2	3	187	04DEC08	08DEC08	31AUG09
L4CON05150	Mole, Install Windows, Louvers, Ext Access Doors	2	4	187	09DEC08	12DEC08	03SEP09
L4CON05160	Mole, Install OH Coiling Doors	2	3	187	15DEC08	17DEC08	10SEP09
L4CON05170	Mole, Finish Ext. Work/Gutters, Ply Closure, etc	2	3	231	15DEC08	17DEC08	11NOV09
L4CON05190	Mole, Frame Interior Walls & Doors, Drywall	2	2	187	18DEC08	19DEC08	15SEP09
L4CON05180	Mole, Apply Anti-Graffiti Coatings Exterior	2	1	231	18DEC08	18DEC08	16NOV09
L4CON05200	Mole, Paint Interior,Install Base	2	1	187	22DEC08	22DEC08	17SEP09
L4CON05250	Mole, Interior Finish Work	2	5	175	06MAR09	12MAR09	10NOV09
L4CON05400	Mole, Punchlist	2	4	175	13MAR09	18MAR09	17NOV09
MOLE SUBSTATION ELECTRICAL							
Subtotal		2	116	177	22SEP08	10MAR09	23JUN09
L4CON05060	Mole, Install Util. Cond. Stub Outs, Floor Drain	2	10	189	22SEP08	03OCT08	23JUN09
L4CON05210	Mole, Install Electrical	2	25	175	29JAN09	05MAR09	06OCT09
L4CON05220	Mole, Temp 12 kV Feeder & Comm. to Exist. Mole	2	3	177	06MAR09	10MAR09	12NOV09
MECHANICAL SYSTEMS							
Subtotal		2	12	187	23DEC08	09JAN09	18SEP09
L4CON05230	Mole, Inst. Mechanical Air Comp, Ducts, Piping,	2	12	187	23DEC08	09JAN09	18SEP09



Start Date	22AUG07
Finish Date	11MAY10
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Run Date	25SEP08 16:54

Early Bar
Progress Bar
Critical Activity

MCM Construction, Inc.

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Schedule: T12B
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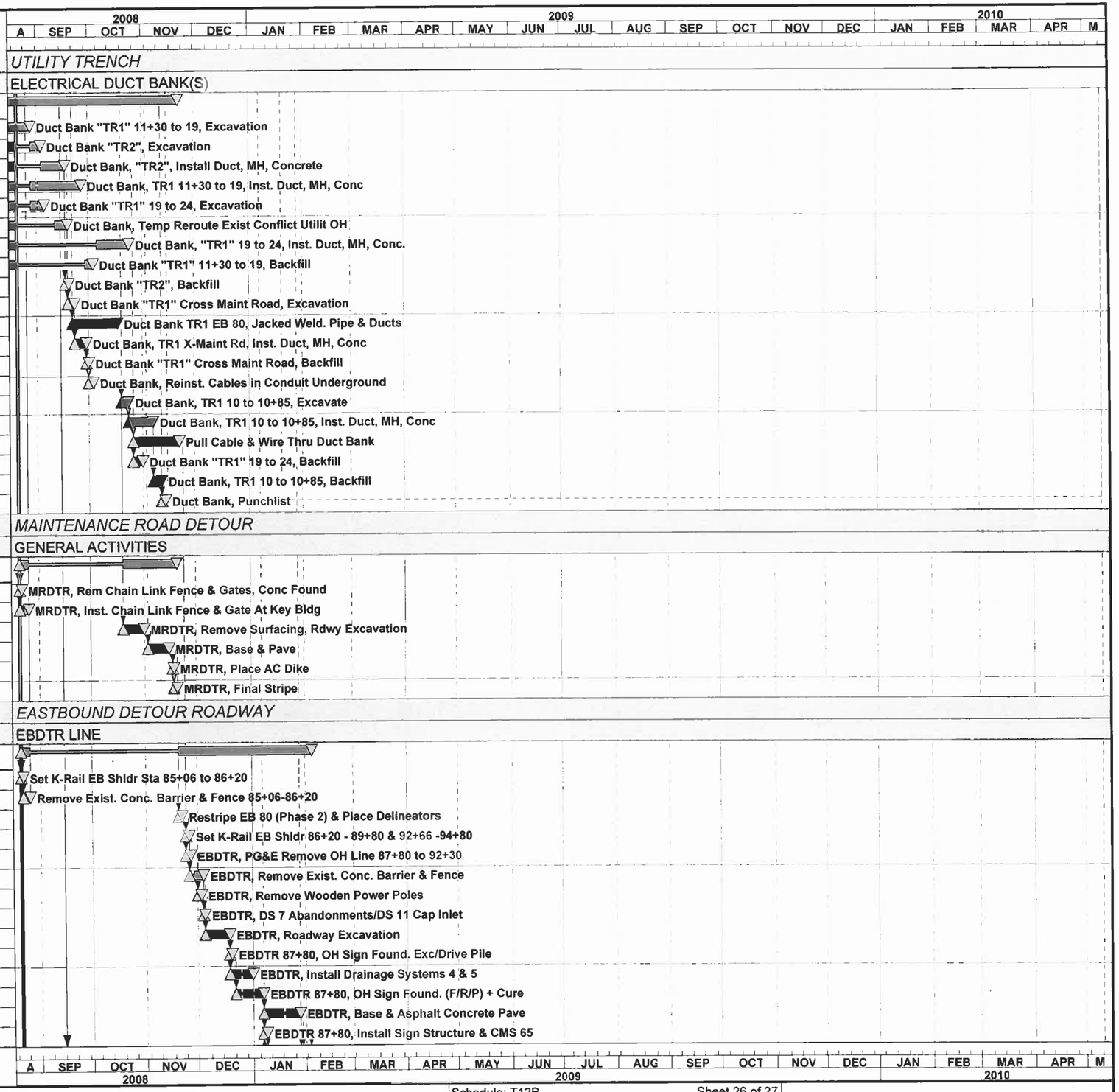
Date	Revision	Checked	Approved

Activity ID	Activity Description	Cal ID	Orig Dur	Total Float	Early Start	Early Finish	Late Start
UTILITY TRENCH							
ELECTRICAL DUCT BANK(S)							
Subtotal		2	262	247	10NOV07A	21NOV08	10NOV07A
L4CON06010	Duct Bank "TR1" 11+30 to 19, Excavation	2	5	189	10NOV07A	28AUG08	10NOV07A
L4CON06070	Duct Bank "TR2", Excavation	2	3	189	10NOV07A	03SEP08	10NOV07A
L4CON06080	Duct Bank, "TR2", Install Duct, MH, Concrete	2	10	189	10NOV07A	17SEP08	10NOV07A
L4CON06020	Duct Bank, TR1 11+30 to 19, Inst. Duct, MH, Conc	2	20	211	10NOV07A	26SEP08	10NOV07A
L4CON06040	Duct Bank "TR1" 19 to 24, Excavation	2	5	226	10NOV07A	05SEP08	10NOV07A
L4CON06100	Duct Bank, Temp Reroute Exist Conflict Utilit OH	2	5	206	15NOV07A	18SEP08	15NOV07A
L4CON06050	Duct Bank, "TR1" 19 to 24, Inst. Duct, MH, Conc.	2	15	206	26NOV07A	24OCT08	26NOV07A
L4CON06030	Duct Bank "TR1" 11+30 to 19, Backfill	2	5	214	26NOV07A	03OCT08	26NOV07A
L4CON06090	Duct Bank "TR2", Backfill	2	2	189	18SEP08	19SEP08	19JUN09
L4CON06110	Duct Bank "TR1" Cross Maint Road, Excavation	2	2	206	19SEP08	22SEP08	15JUL09
L4CON06150	Duct Bank TR1 EB 80, Jacked Weld. Pipe & Ducts	2	20	-33	22SEP08	17OCT08	05AUG08
L4CON06120	Duct Bank, TR1 X-Maint Rd, Inst. Duct, MH, Conc	2	5	206	23SEP08	29SEP08	17JUL09
L4CON06130	Duct Bank "TR1" Cross Maint Road, Backfill	2	1	206	30SEP08	30SEP08	24JUL09
L4CON06140	Duct Bank, Reinst. Cables in Conduit Underground	2	3	206	01OCT08	03OCT08	27JUL09
L4CON06160	Duct Bank, TR1 10 to 10+85, Excavate	2	4	-33	20OCT08	23OCT08	03SEP08
L4CON06170	Duct Bank, TR1 10 to 10+85, Inst. Duct, MH, Conc	2	10	-33	24OCT08	06NOV08	09SEP08
L4CON06190	Pull Cable & Wire Thru Duct Bank	2	20	206	27OCT08	21NOV08	20AUG09
L4CON06060	Duct Bank "TR1" 19 to 24, Backfill	2	5	260	27OCT08	31OCT08	05NOV09
L4CON06180	Duct Bank, TR1 10 to 10+85, Backfill	2	3	-33	07NOV08	11NOV08	23SEP08
L4CON06200	Duct Bank, Punchlist	2	2	253	12NOV08	13NOV08	12NOV09
MAINTENANCE ROAD DETOUR							
GENERAL ACTIVITIES							
Subtotal		2	64	249	21AUG08	19NOV08	22MAY09
L4CON07010	MRDTR, Rem Chain Link Fence & Gates, Conc Found	2	1	189	21AUG08	21AUG08	22MAY09
L4CON07070	MRDTR, Inst. Chain Link Fence & Gate At Key Bldg	2	3	310	21AUG08	25AUG08	11NOV09
L4CON07030	MRDTR, Remove Surfacing, Rdwy Excavation	2	10	204	20OCT08	31OCT08	11AUG09
L4CON07040	MRDTR, Base & Pave	2	10	204	03NOV08	14NOV08	25AUG09
L4CON07050	MRDTR, Place AC Dike	2	1	204	17NOV08	17NOV08	09SEP09
L4CON07060	MRDTR, Final Stripe	2	2	204	18NOV08	19NOV08	10SEP09
EASTBOUND DETOUR ROADWAY							
EBDTR LINE							
Subtotal		2	114	204	21AUG08	04FEB09	22JUN09
L4CON07110	Set K-Rail EB Shldr Sta 85+06 to 86+20	2	1	209	21AUG08	21AUG08	22JUN09
L4CON07120	Remove Exist. Conc. Barrier & Fence 85+06-86+20	2	2	209	22AUG08	25AUG08	23JUN09
L4CON07130	Restripe EB 80 (Phase 2) & Place Delineators	2	2	204	20NOV08	21NOV08	14SEP09
L4CON07140	Set K-Rail EB Shldr 86+20 - 89+80 & 92+66 -94+80	2	2	204	24NOV08	25NOV08	16SEP09
L4CON07150	EBDTR, PG&E Remove OH Line 87+80 to 92+30	2	3	206	24NOV08	26NOV08	18SEP09
L4CON07170	EBDTR, Remove Exist. Conc. Barrier & Fence	2	4	204	26NOV08	03DEC08	18SEP09
L4CON07160	EBDTR, Remove Wooden Power Poles	2	2	206	01DEC08	02DEC08	23SEP09
L4CON07175	EBDTR, DS 7 Abandonments/DS 11 Cap Inlet	2	1	204	04DEC08	04DEC08	24SEP09
L4CON07180	EBDTR, Roadway Excavation	2	10	204	05DEC08	18DEC08	25SEP09
L4CON07190	EBDTR 87+80, OH Sign Found. Exc/Drive Pile	2	1	204	19DEC08	19DEC08	09OCT09
L4CON07210	EBDTR, Install Drainage Systems 4 & 5	2	8	207	19DEC08	31DEC08	14OCT09
L4CON07200	EBDTR 87+80, OH Sign Found. (F/R/P) + Cure	2	10	204	22DEC08	06JAN09	12OCT09
L4CON07220	EBDTR, Base & Asphalt Concrete Pave	2	15	204	07JAN09	28JAN09	26OCT09
L4CON07250	EBDTR 87+80, Install Sign Structure & CMS 65	2	2	206	07JAN09	08JAN09	28OCT09



Start Date 22AUG07
Finish Date 11MAY10
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Early Bar
Progress Bar
Critical Activity

MCM Construction, Inc.

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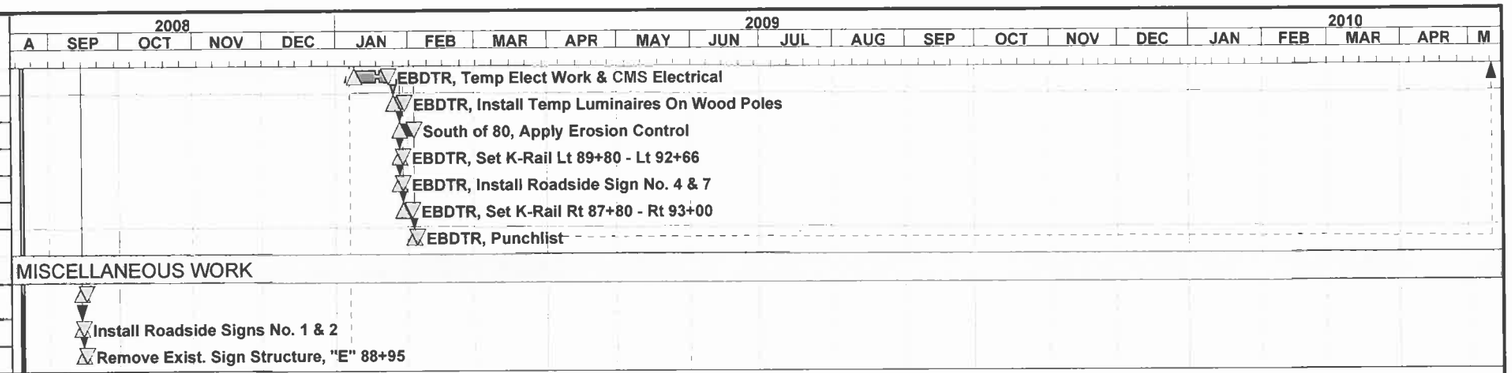
L4CON07260	EBDTR, Temp Elect Work & CMS Electrical	2	10	206	09JAN09	23JAN09	30OCT09
L4CON07270	EBDTR, Install Temp Luminaires On Wood Poles	2	5	206	26JAN09	30JAN09	13NOV09
L4CON07290	South of 80, Apply Erosion Control	2	4	204	29JAN09	03FEB09	16NOV09
L4CON07230	EBDTR, Set K-Rail Lt 89+80 - Lt 92+66	2	1	205	29JAN09	29JAN09	17NOV09
L4CON07280	EBDTR, Install Roadside Sign No. 4 & 7	2	1	207	29JAN09	29JAN09	19NOV09
L4CON07240	EBDTR, Set K-Rail Rt 87+80 - Rt 93+00	2	2	205	30JAN09	02FEB09	18NOV09
L4CON07400	EBDTR, Punchlist	2	1	204	04FEB09	04FEB09	20NOV09
MISCELLANEOUS WORK							
Subtotal		2	2	282	15SEP08	16SEP08	26OCT09
L4CON07100	Install Roadside Signs No. 1 & 2	2	1	282	15SEP08	15SEP08	26OCT09
L4CON07105	Remove Exist. Sign Structure, "E" 88+95	2	1	282	16SEP08	16SEP08	27OCT09



A SEP OCT NOV DEC JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV DEC JAN FEB MAR APR M
2008 2009 2010

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