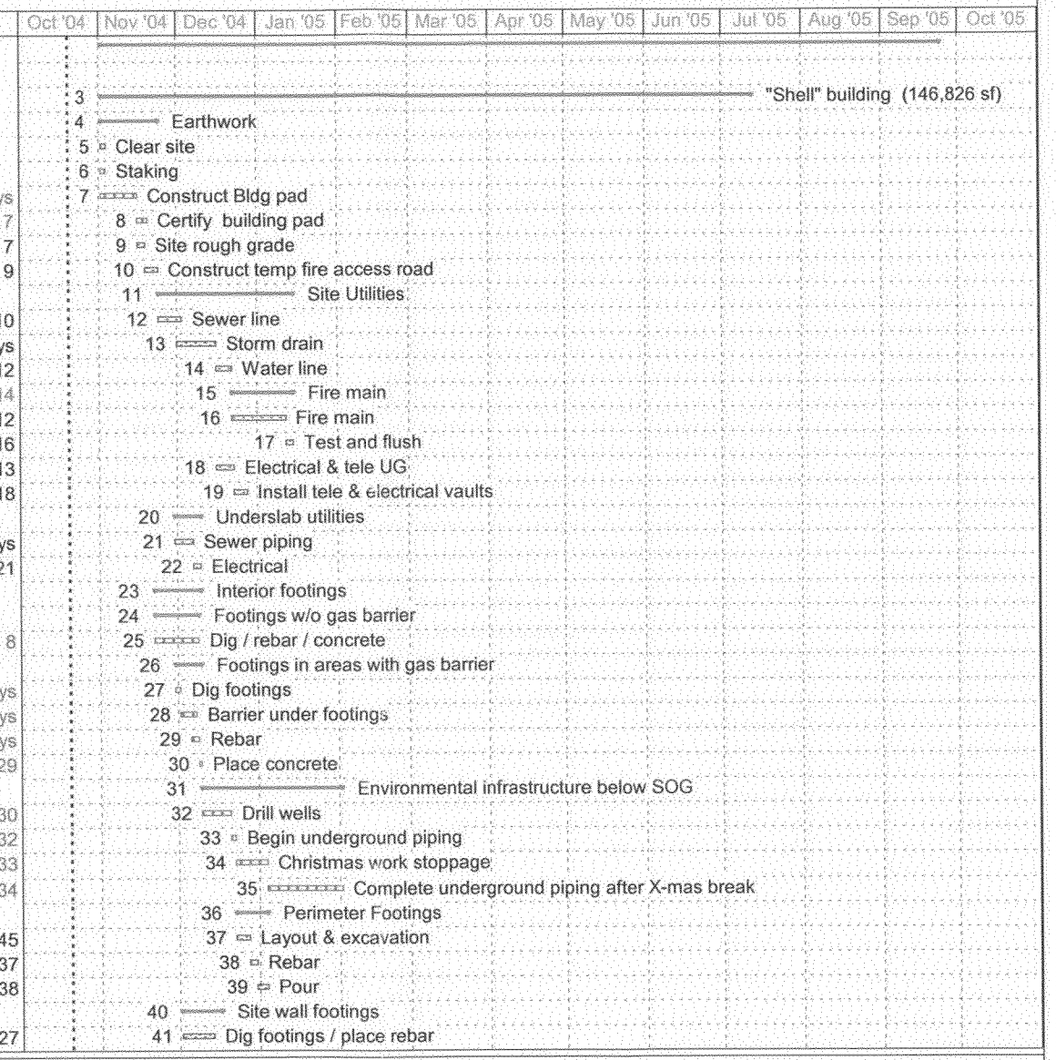
Project Manager: To be determined
Superintendent: Dave Harper

Wed 10/20/04

# Boeing Realty Corporation

| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 1 | **Jobsite Construction** | 228 days | Tue 11/2/04 | Fri 9/23/05 | |
| 2 | | | | | |
| 3 | "Shell" building (146,826 sf) | 176 days | Tue 11/2/04 | Tue 7/12/05 | |
| 4 | Earthwork | 16 days | Tue 11/2/04 | Tue 11/23/04 | |
| 5 | Clear site | 2 days | Tue 11/2/04 | Wed 11/3/04 | |
| 6 | Staking | 2 days | Tue 11/2/04 | Wed 11/3/04 | |
| 7 | Construct Bldg pad | 10 days | Tue 11/2/04 | Mon 11/15/04 | 6FS-2 days |
| 8 | Certify building pad | 4 days | Tue 11/16/04 | Fri 11/19/04 | 7 |
| 9 | Site rough grade | 3 days | Tue 11/16/04 | Thu 11/18/04 | 7 |
| 10 | Construct temp fire access road | 3 days | Fri 11/19/04 | Tue 11/23/04 | 9 |
| 11 | Site Utilities | 35 days | Wed 11/24/04 | Fri 1/14/05 | |
| 12 | Sewer line | 5 days | Wed 11/24/04 | Thu 12/2/04 | 10 |
| 13 | Storm drain | 10 days | Wed 12/1/04 | Wed 12/15/04 | 12FS-2 days |
| 14 | Water line | 4 days | Thu 12/16/04 | Tue 12/21/04 | 13,12 |
| 15 | Fire main | 18 days | Wed 12/22/04 | Fri 1/14/05 | 14 |
| 16 | Fire main | 15 days | Wed 12/22/04 | Tue 1/11/05 | 12 |
| 17 | Test and flush | 3 days | Wed 1/12/05 | Fri 1/14/05 | 16 |
| 18 | Electrical & tele UG | 5 days | Thu 12/16/04 | Wed 12/22/04 | 12,13 |
| 19 | Install tele & electrical vaults | 3 days | Thu 12/23/04 | Mon 12/27/04 | 12SS+4 days,18 |
| 20 | Underslab utilities | 7 days | Tue 11/30/04 | Thu 12/9/04 | |
| 21 | Sewer piping | 4 days | Tue 11/30/04 | Mon 12/6/04 | 8FS-1 day,25SS+4 days |
| 22 | Electrical | 3 days | Tue 12/7/04 | Thu 12/9/04 | 21 |
| 23 | Interior footings | 11 days | Mon 11/22/04 | Thu 12/9/04 | |
| 24 | Footings w/o gas barrier | 10 days | Mon 11/22/04 | Wed 12/8/04 | |
| 25 | Dig / rebar / concrete | 10 days | Mon 11/22/04 | Wed 12/8/04 | 8 |
| 26 | Footings in areas with gas barrier | 7 days | Tue 11/30/04 | Thu 12/9/04 | |
| 27 | Dig footings | 2 days | Tue 11/30/04 | Wed 12/1/04 | 25SS+4 days |
| 28 | Barrier under footings | 3 days | Thu 12/2/04 | Tue 12/7/04 | 27SS+2 days |
| 29 | Rebar | 3 days | Mon 12/6/04 | Wed 12/8/04 | 28FS-2 days |
| 30 | Place concrete | 1 day | Thu 12/9/04 | Thu 12/9/04 | 29 |
| 31 | Environmental infrastructure below SOG | 38 days | Fri 12/10/04 | Tue 2/1/05 | |
| 32 | Drill wells | 7 days | Fri 12/10/04 | Mon 12/20/04 | 8,30 |
| 33 | Begin underground piping | 2 days | Tue 12/21/04 | Wed 12/22/04 | 32 |
| 34 | Christmas work stoppage | 8 days | Thu 12/23/04 | Mon 1/3/05 | 33 |
| 35 | Complete underground piping after X-mas break | 21 days | Tue 1/4/05 | Tue 2/1/05 | 34 |
| 36 | Perimeter Footings | 8 days | Thu 12/23/04 | Mon 1/3/05 | |
| 37 | Layout & excavation | 3 days | Thu 12/23/04 | Mon 12/27/04 | 45 |
| 38 | Rebar | 3 days | Tue 12/28/04 | Thu 12/30/04 | 37 |
| 39 | Pour | 2 days | Fri 12/31/04 | Mon 1/3/05 | 38 |
| 40 | Site wall footings | 10 days | Thu 12/2/04 | Thu 12/16/04 | |
| 41 | Dig footings / place rebar | 7 days | Thu 12/2/04 | Mon 12/13/04 | 27 |




Schedule File: BoeingRealtyBID2.mpp

Task | Critical Task | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Critical Task | Rolled Up Milestone | Rolled Up Progress | Split | External Tasks | Project Summary | External Milestone | Deadline



MILLIE and SEVERSON

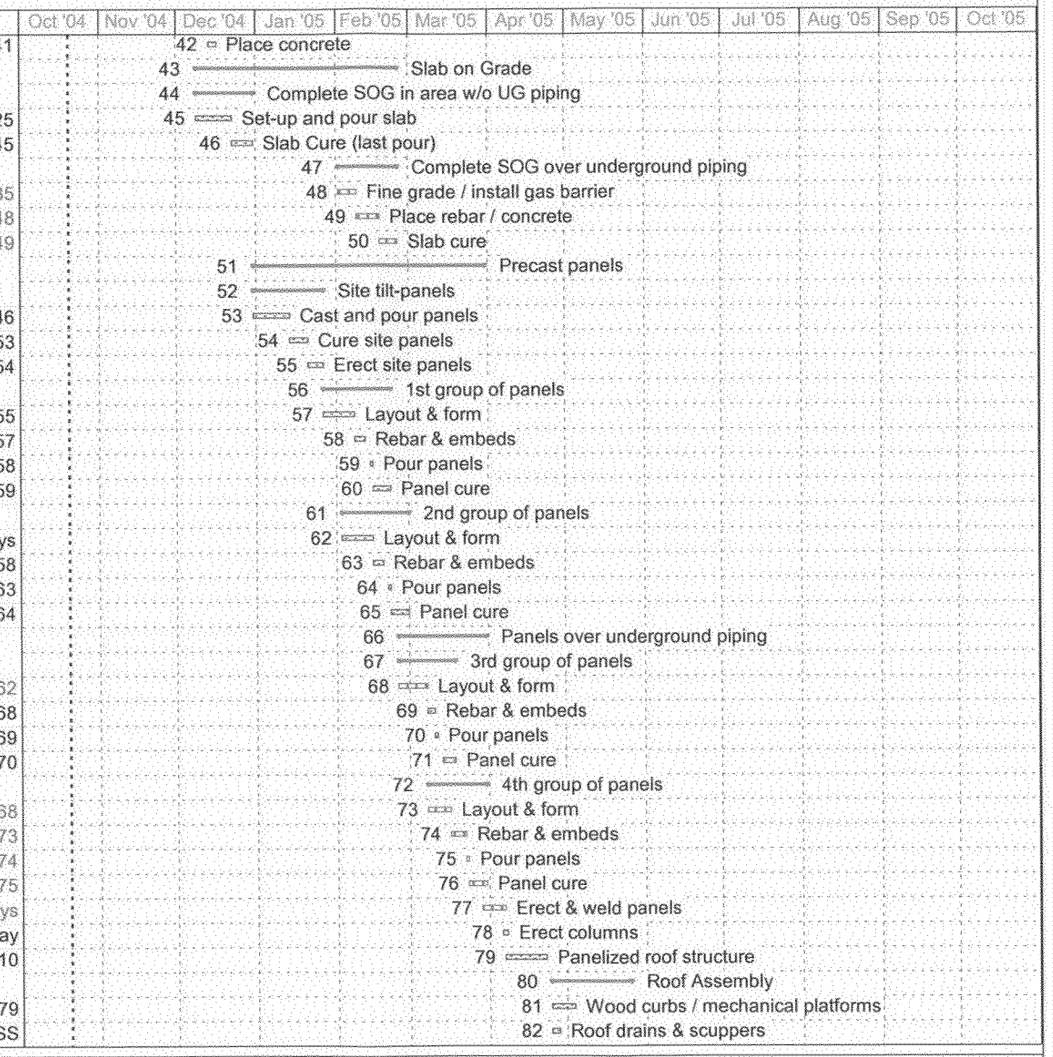
BOE-C6-0094074

Project Manager: To be determined
Superintendent: Dave Harper

Wed 10/20/04

# Boeing Realty Corporation

| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 42 | Place concrete | 3 days | Tue 12/14/04 | Thu 12/16/04 | 41 |
| 43 | Slab on Grade | 56 days | Thu 12/9/04 | Thu 2/24/05 | |
| 44 | Complete SOG in area w/o UG piping | 16 days | Thu 12/9/04 | Thu 12/30/04 | |
| 45 | Set-up and pour slab | 10 days | Thu 12/9/04 | Wed 12/22/04 | 25 |
| 46 | Slab Cure (last pour) | 6 days | Thu 12/23/04 | Thu 12/30/04 | 45 |
| 47 | Complete SOG over underground piping | 17 days | Wed 2/2/05 | Thu 2/24/05 | |
| 48 | Fine grade / install gas barrier | 5 days | Wed 2/2/05 | Tue 2/8/05 | 35 |
| 49 | Place rebar / concrete | 7 days | Wed 2/9/05 | Thu 2/17/05 | 30,35,48 |
| 50 | Slab cure | 5 days | Fri 2/18/05 | Thu 2/24/05 | 49 |
| 51 | Precast panels | 64 days | Fri 12/31/04 | Wed 3/30/05 | |
| 52 | Site tilt-panels | 19 days | Fri 12/31/04 | Wed 1/26/05 | |
| 53 | Cast and pour panels | 10 days | Fri 12/31/04 | Thu 1/13/05 | 46 |
| 54 | Cure site panels | 5 days | Fri 1/14/05 | Thu 1/20/05 | 53 |
| 55 | Erect site panels | 4 days | Fri 1/21/05 | Wed 1/26/05 | 54 |
| 56 | 1st group of panels | 18 days | Thu 1/27/05 | Mon 2/21/05 | |
| 57 | Layout & form | 8 days | Thu 1/27/05 | Mon 2/7/05 | 46,55 |
| 58 | Rebar & embeds | 4 days | Tue 2/8/05 | Fri 2/11/05 | 57 |
| 59 | Pour panels | 1 day | Mon 2/14/05 | Mon 2/14/05 | 58 |
| 60 | Panel cure | 5 days | Tue 2/15/05 | Mon 2/21/05 | 59 |
| 61 | 2nd group of panels | 18 days | Thu 2/3/05 | Mon 2/28/05 | |
| 62 | Layout & form | 8 days | Thu 2/3/05 | Mon 2/14/05 | 57FS-3 days |
| 63 | Rebar & embeds | 4 days | Tue 2/15/05 | Fri 2/18/05 | 62,58 |
| 64 | Pour panels | 1 day | Mon 2/21/05 | Mon 2/21/05 | 63 |
| 65 | Panel cure | 5 days | Tue 2/22/05 | Mon 2/28/05 | 64 |
| 66 | Panels over underground piping | 24 days | Fri 2/25/05 | Wed 3/30/05 | |
| 67 | 3rd group of panels | 16 days | Fri 2/25/05 | Fri 3/18/05 | |
| 68 | Layout & form | 7 days | Fri 2/25/05 | Mon 3/7/05 | 50,62 |
| 69 | Rebar & embeds | 3 days | Tue 3/8/05 | Thu 3/10/05 | 68 |
| 70 | Pour panels | 1 day | Fri 3/11/05 | Fri 3/11/05 | 69 |
| 71 | Panel cure | 5 days | Mon 3/14/05 | Fri 3/18/05 | 70 |
| 72 | 4th group of panels | 17 days | Tue 3/8/05 | Wed 3/30/05 | |
| 73 | Layout & form | 7 days | Tue 3/8/05 | Wed 3/16/05 | 50,68 |
| 74 | Rebar & embeds | 4 days | Thu 3/17/05 | Tue 3/22/05 | 73 |
| 75 | Pour panels | 1 day | Wed 3/23/05 | Wed 3/23/05 | 74 |
| 76 | Panel cure | 5 days | Thu 3/24/05 | Wed 3/30/05 | 75 |
| 77 | Erect & weld panels | 7 days | Tue 3/29/05 | Wed 4/6/05 | 60,65,76FS-2 days |
| 78 | Erect columns | 2 days | Wed 4/6/05 | Thu 4/7/05 | 77FS-1 day |
| 79 | Panelized roof structure | 12 days | Thu 4/7/05 | Fri 4/22/05 | 77FS-1 day,78FS-1 day,10 |
| 80 | Roof Assembly | 23 days | Mon 4/25/05 | Wed 5/25/05 | |
| 81 | Wood curbs / mechanical platforms | 7 days | Mon 4/25/05 | Tue 5/3/05 | 79 |
| 82 | Roof drains & scuppers | 3 days | Mon 4/25/05 | Wed 4/27/05 | 81SS |




Schedule File: BoeingRealtyBID2.mpp

Task | Critical Task | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Critical Task | Rolled Up Milestone | Rolled Up Progress | Split | External Tasks | Project Summary | External Milestone | Deadline



MILLIE and SEVERSON

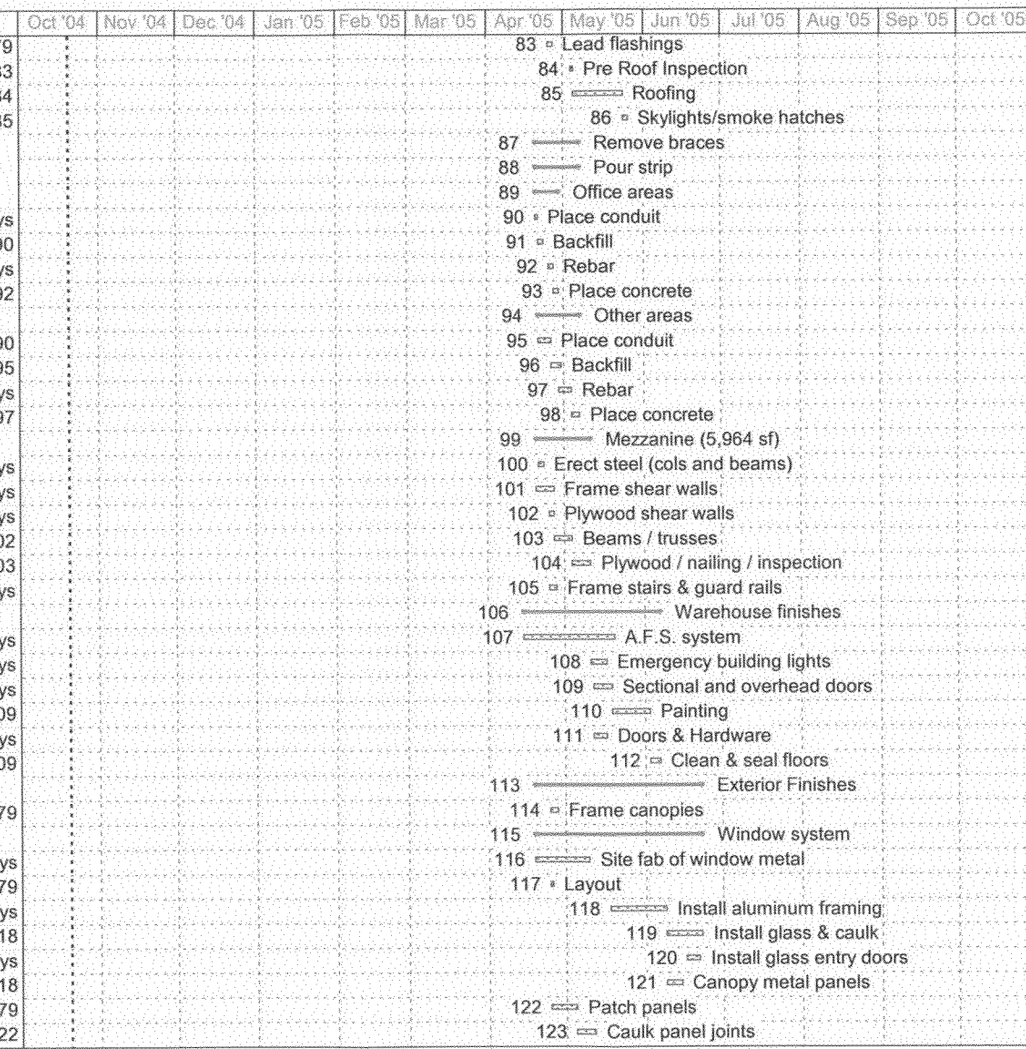
BOE-C6-0094075

Project Manager: To be determined
Superintendent: Dave Harper

Wed 10/20/04

# Boeing Realty Corporation

| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 83 | Lead flashings | 2 days | Mon 4/25/05 | Tue 4/26/05 | 79 |
| 84 | Pre Roof Inspection | 1 day | Wed 5/4/05 | Wed 5/4/05 | 81,82,83 |
| 85 | Roofing | 13 days | Thu 5/5/05 | Mon 5/23/05 | 81,84 |
| 86 | Skylights/smoke hatches | 2 days | Tue 5/24/05 | Wed 5/25/05 | 81,85 |
| 87 | Remove braces | 13 days | Wed 4/20/05 | Fri 5/6/05 | |
| 88 | Pour strip | 13 days | Wed 4/20/05 | Fri 5/6/05 | |
| 89 | Office areas | 7 days | Wed 4/20/05 | Thu 4/28/05 | |
| 90 | Place conduit | 1 day | Wed 4/20/05 | Wed 4/20/05 | 77,79FS-3 days |
| 91 | Backfill | 2 days | Thu 4/21/05 | Fri 4/22/05 | 77,90 |
| 92 | Rebar | 2 days | Mon 4/25/05 | Tue 4/26/05 | 91FF+2 days |
| 93 | Place concrete | 2 days | Wed 4/27/05 | Thu 4/28/05 | 92 |
| 94 | Other areas | 12 days | Thu 4/21/05 | Fri 5/6/05 | |
| 95 | Place conduit | 3 days | Thu 4/21/05 | Mon 4/25/05 | 90 |
| 96 | Backfill | 4 days | Tue 4/26/05 | Fri 4/29/05 | 95 |
| 97 | Rebar | 3 days | Fri 4/29/05 | Tue 5/3/05 | 96FF+2 days |
| 98 | Place concrete | 3 days | Wed 5/4/05 | Fri 5/6/05 | 97 |
| 99 | Mezzanine (5,964 sf) | 15 days | Wed 4/20/05 | Tue 5/10/05 | |
| 100 | Erect steel (cols and beams) | 2 days | Thu 4/21/05 | Fri 4/22/05 | 107SS+4 days |
| 101 | Frame shear walls | 5 days | Wed 4/20/05 | Tue 4/26/05 | 100FS-3 days |
| 102 | Plywood shear walls | 2 days | Mon 4/25/05 | Tue 4/26/05 | 101FS-2 days |
| 103 | Beams / trusses | 5 days | Wed 4/27/05 | Tue 5/3/05 | 102 |
| 104 | Plywood / nailing / inspection | 5 days | Wed 5/4/05 | Tue 5/10/05 | 103 |
| 105 | Frame stairs & guard rails | 3 days | Mon 4/25/05 | Wed 4/27/05 | 102FS-2 days |
| 106 | Warehouse finishes | 36 days | Fri 4/15/05 | Mon 6/6/05 | |
| 107 | A.F.S. system | 25 days | Fri 4/15/05 | Thu 5/19/05 | 79FS-6 days |
| 108 | Emergency building lights | 4 days | Wed 5/11/05 | Mon 5/16/05 | 107FS-7 days |
| 109 | Sectional and overhead doors | 5 days | Thu 5/12/05 | Wed 5/18/05 | 107FS-6 days,108FS-8 days |
| 110 | Painting | 10 days | Thu 5/19/05 | Thu 6/2/05 | 111FF+2 days,109 |
| 111 | Doors & Hardware | 3 days | Thu 5/12/05 | Mon 5/16/05 | 107FS-6 days |
| 112 | Clean & seal floors | 2 days | Fri 6/3/05 | Mon 6/6/05 | 107,108,110,111,109 |
| 113 | Exterior Finishes | 46 days | Tue 4/19/05 | Wed 6/22/05 | |
| 114 | Frame canopies | 3 days | Mon 4/25/05 | Wed 4/27/05 | 79 |
| 115 | Window system | 46 days | Tue 4/19/05 | Wed 6/22/05 | |
| 116 | Site fab of window metal | 15 days | Tue 4/19/05 | Mon 5/9/05 | 79FS-4 days |
| 117 | Layout | 1 day | Mon 4/25/05 | Mon 4/25/05 | 79 |
| 118 | Install aluminum framing | 15 days | Wed 5/18/05 | Wed 6/8/05 | ,93,85FS-4 days,116FS-5 days |
| 119 | Install glass & caulk | 10 days | Thu 6/9/05 | Wed 6/22/05 | 118 |
| 120 | Install glass entry doors | 3 days | Fri 6/17/05 | Tue 6/21/05 | 118,119FS-4 days |
| 121 | Canopy metal panels | 4 days | Thu 6/9/05 | Tue 6/14/05 | 114,85,118 |
| 122 | Patch panels | 8 days | Mon 4/25/05 | Wed 5/4/05 | 79 |
| 123 | Caulk panel joints | 5 days | Thu 5/5/05 | Wed 5/11/05 | 122 |

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Task | Critical Task | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Critical Task | Rolled Up Milestone | Rolled Up Progress | Split | External Tasks | Project Summary | External Milestone | Deadline



MILLIE and SEVERSON

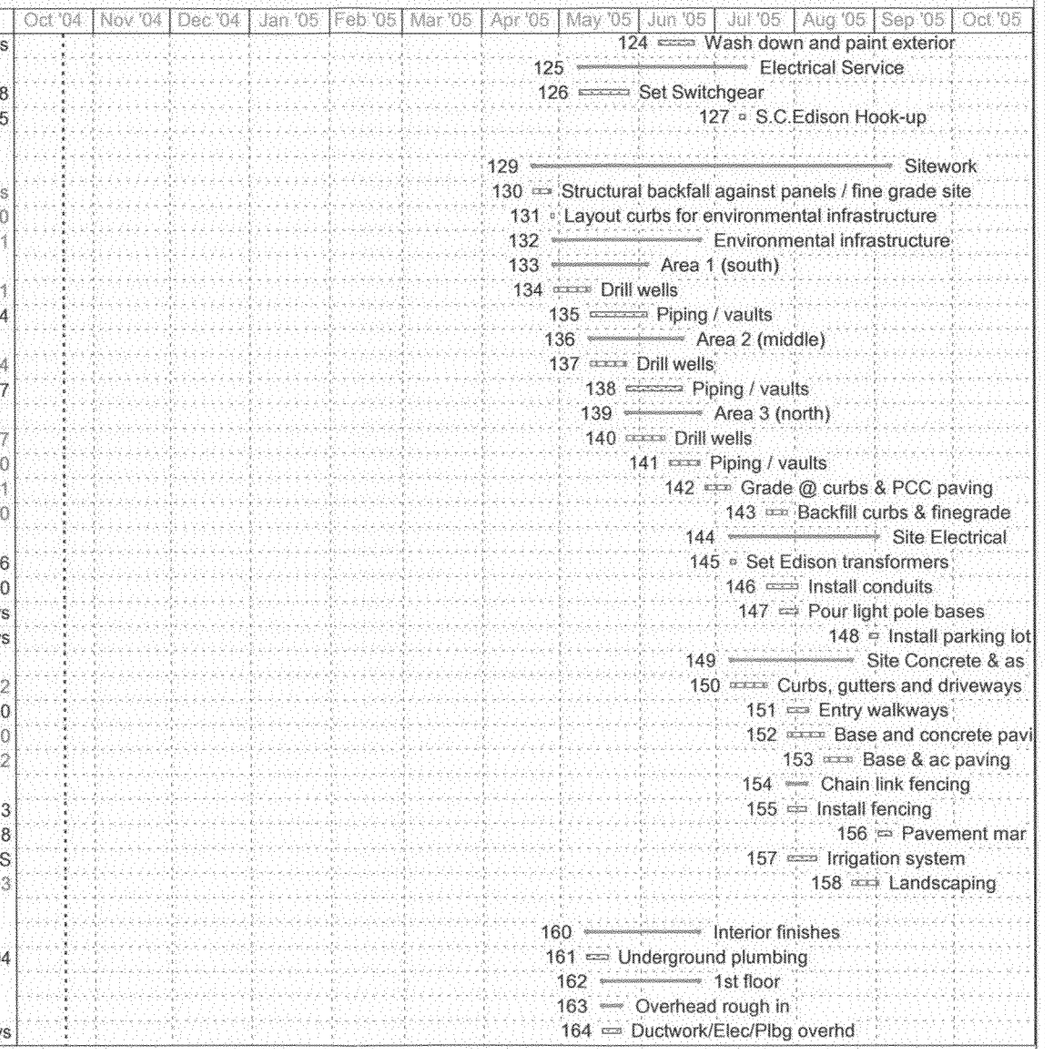
BOE-C6-0094076

Project Manager: To be determined
Superintendent: Dave Harper

Wed 10/20/04

# Boeing Realty Corporation

| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 124 | Wash down and paint exterior | 10 days | Thu 6/9/05 | Wed 6/22/05 | 118,122,123,121FS-4 days |
| 125 | Electrical Service | 45 days | Mon 5/9/05 | Tue 7/12/05 | |
| 126 | Set Switchgear | 15 days | Mon 5/9/05 | Fri 5/27/05 | 98 |
| 127 | S.C.Edison Hook-up | 2 days | Mon 7/11/05 | Tue 7/12/05 | 126,111,145 |
| 128 | | | | | |
| 129 | Sitework | 96 days | Thu 4/21/05 | Tue 9/6/05 | |
| 130 | Structural backfall against panels / fine grade site | 5 days | Thu 4/21/05 | Wed 4/27/05 | 77FS+10 days |
| 131 | Layout curbs for environmental infrastructure | 1 day | Thu 4/28/05 | Thu 4/28/05 | 130 |
| 132 | Environmental infrastructure | 40 days | Fri 4/29/05 | Fri 6/24/05 | 131 |
| 133 | Area 1 (south) | 25 days | Fri 4/29/05 | Fri 6/3/05 | |
| 134 | Drill wells | 10 days | Fri 4/29/05 | Thu 5/12/05 | 131 |
| 135 | Piping / vaults | 15 days | Fri 5/13/05 | Fri 6/3/05 | 134 |
| 136 | Area 2 (middle) | 25 days | Fri 5/13/05 | Fri 6/17/05 | |
| 137 | Drill wells | 10 days | Fri 5/13/05 | Thu 5/26/05 | 134 |
| 138 | Piping / vaults | 15 days | Fri 5/27/05 | Fri 6/17/05 | 137 |
| 139 | Area 3 (north) | 20 days | Fri 5/27/05 | Fri 6/24/05 | |
| 140 | Drill wells | 10 days | Fri 5/27/05 | Fri 6/10/05 | 137 |
| 141 | Piping / vaults | 10 days | Mon 6/13/05 | Fri 6/24/05 | 133,140 |
| 142 | Grade @ curbs & PCC paving | 7 days | Mon 6/27/05 | Wed 7/6/05 | 141 |
| 143 | Backfill curbs & finegrade @ ac paving | 6 days | Thu 7/21/05 | Thu 7/28/05 | 150 |
| 144 | Site Electrical | 41 days | Thu 7/7/05 | Thu 9/1/05 | |
| 145 | Set Edison transformers | 2 days | Thu 7/7/05 | Fri 7/8/05 | 142,126 |
| 146 | Install conduits | 8 days | Thu 7/21/05 | Mon 8/1/05 | 150 |
| 147 | Pour light pole bases | 5 days | Tue 7/26/05 | Mon 8/1/05 | 146SS+3 days |
| 148 | Install parking lot lights | 3 days | Tue 8/30/05 | Thu 9/1/05 | 147,153FS+5 days |
| 149 | Site Concrete & asphalt | 33 days | Thu 7/7/05 | Mon 8/22/05 | |
| 150 | Curbs, gutters and driveways | 10 days | Thu 7/7/05 | Wed 7/20/05 | 142 |
| 151 | Entry walkways | 6 days | Fri 7/29/05 | Fri 8/5/05 | 143,150 |
| 152 | Base and concrete paving | 10 days | Fri 7/29/05 | Thu 8/11/05 | 143,150 |
| 153 | Base & ac paving | 7 days | Fri 8/12/05 | Mon 8/22/05 | 143,150,152 |
| 154 | Chain link fencing | 5 days | Fri 7/29/05 | Thu 8/4/05 | |
| 155 | Install fencing | 5 days | Fri 7/29/05 | Thu 8/4/05 | 143 |
| 156 | Pavement markings | 2 days | Fri 9/2/05 | Tue 9/6/05 | 150,153FS+3 days,158 |
| 157 | Irrigation system | 7 days | Fri 7/29/05 | Mon 8/8/05 | 151SS |
| 158 | Landscaping | 8 days | Tue 8/23/05 | Thu 9/1/05 | 157FS-2 days,153 |
| 159 | | | | | |
| 160 | Interior finishes | 31 days | Wed 5/11/05 | Thu 6/23/05 | |
| 161 | Underground plumbing | 6 days | Wed 5/11/05 | Wed 5/18/05 | 102FS-2 days,104 |
| 162 | 1st floor | 27 days | Tue 5/17/05 | Thu 6/23/05 | |
| 163 | Overhead rough in | 5 days | Tue 5/17/05 | Mon 5/23/05 | |
| 164 | Ductwork/Elec/Plbg overhd | 5 days | Tue 5/17/05 | Mon 5/23/05 | 161FS-2 days,102FS-2 days |




Schedule File: BoeingRealtyBID2.mpp

Task | Critical Task | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Critical Task | Rolled Up Milestone | Rolled Up Progress | Split | External Tasks | Project Summary | External Milestone | Deadline



MILLIE and SEVERSON

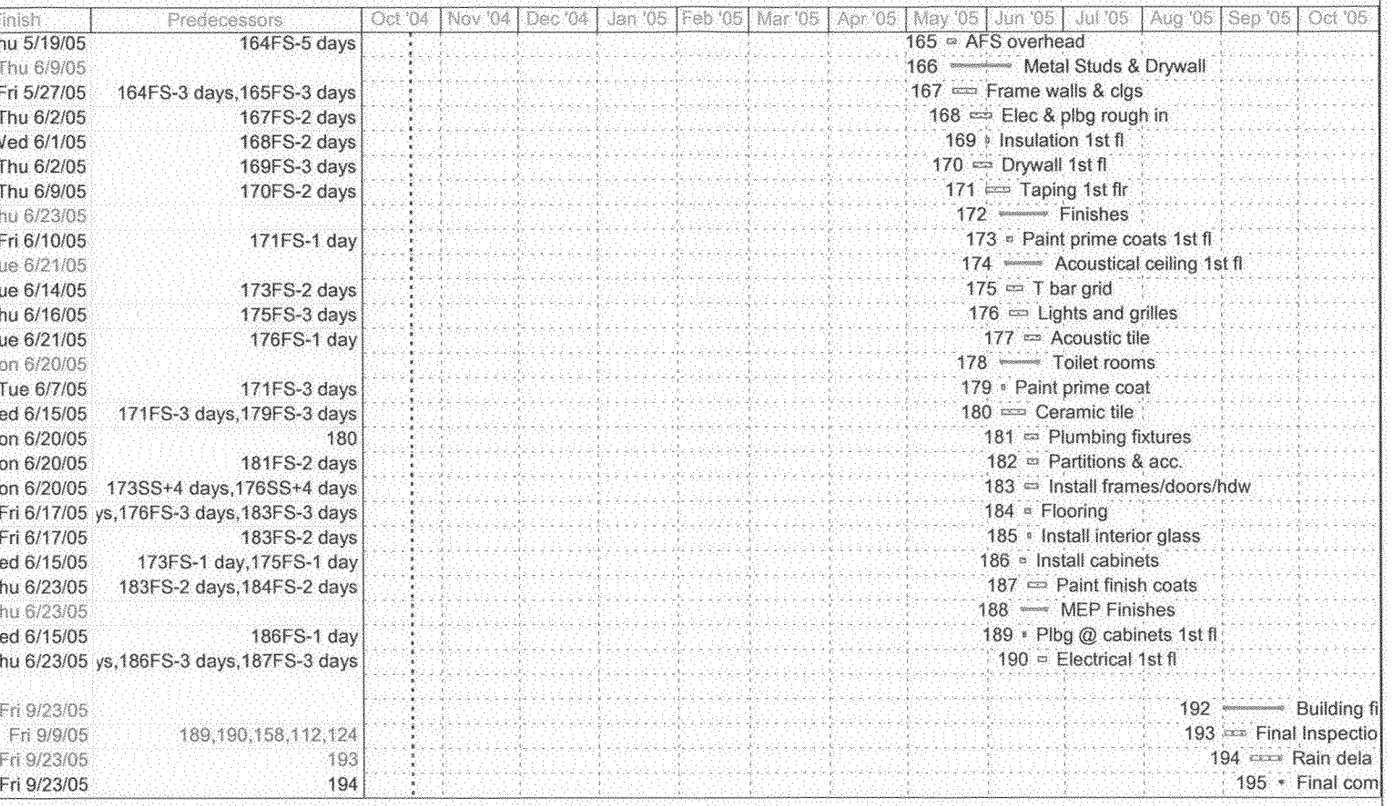
BOE-C6-0094077

Project Manager: To be determined
Superintendent: Dave Harper

Wed 10/20/04

# Boeing Realty Corporation

| ID | Task Name | Duration | Start | Finish | Predecessors |
|---|---|---|---|---|---|
| 165 | AFS overhead | 3 days | Tue 5/17/05 | Thu 5/19/05 | 164FS-5 days |
| 166 | Metal Studs & Drywall | 15 days | Thu 5/19/05 | Thu 6/9/05 | |
| 167 | Frame walls & clgs | 7 days | Thu 5/19/05 | Fri 5/27/05 | 164FS-3 days,165FS-3 days |
| 168 | Elec & plbg rough in | 5 days | Thu 5/26/05 | Thu 6/2/05 | 167FS-2 days |
| 169 | Insulation 1st fl | 1 day | Wed 6/1/05 | Wed 6/1/05 | 168FS-2 days |
| 170 | Drywall 1st fl | 4 days | Fri 5/27/05 | Thu 6/2/05 | 169FS-3 days |
| 171 | Taping 1st flr | 7 days | Wed 6/1/05 | Thu 6/9/05 | 170FS-2 days |
| 172 | Finishes | 13 days | Tue 6/7/05 | Thu 6/23/05 | |
| 173 | Paint prime coats 1st fl | 2 days | Thu 6/9/05 | Fri 6/10/05 | 171FS-1 day |
| 174 | Acoustical ceiling 1st fl | 9 days | Thu 6/9/05 | Tue 6/21/05 | |
| 175 | T bar grid | 4 days | Thu 6/9/05 | Tue 6/14/05 | 173FS-2 days |
| 176 | Lights and grilles | 5 days | Fri 6/10/05 | Thu 6/16/05 | 175FS-3 days |
| 177 | Acoustic tile | 4 days | Thu 6/16/05 | Tue 6/21/05 | 176FS-1 day |
| 178 | Toilet rooms | 10 days | Tue 6/7/05 | Mon 6/20/05 | |
| 179 | Paint prime coat | 1 day | Tue 6/7/05 | Tue 6/7/05 | 171FS-3 days |
| 180 | Ceramic tile | 7 days | Tue 6/7/05 | Wed 6/15/05 | 171FS-3 days,179FS-3 days |
| 181 | Plumbing fixtures | 3 days | Thu 6/16/05 | Mon 6/20/05 | 180 |
| 182 | Partitions & acc. | 2 days | Fri 6/17/05 | Mon 6/20/05 | 181FS-2 days |
| 183 | Install frames/doors/hdw | 3 days | Thu 6/16/05 | Mon 6/20/05 | 173SS+4 days,176SS+4 days |
| 184 | Flooring | 2 days | Thu 6/16/05 | Fri 6/17/05 | ys,176FS-3 days,183FS-3 days |
| 185 | Install interior glass | 1 day | Fri 6/17/05 | Fri 6/17/05 | 183FS-2 days |
| 186 | Install cabinets | 2 days | Tue 6/14/05 | Wed 6/15/05 | 173FS-1 day,175FS-1 day |
| 187 | Paint finish coats | 5 days | Fri 6/17/05 | Thu 6/23/05 | 183FS-2 days,184FS-2 days |
| 188 | MEP Finishes | 7 days | Wed 6/15/05 | Thu 6/23/05 | |
| 189 | Plbg @ cabinets 1st fl | 1 day | Wed 6/15/05 | Wed 6/15/05 | 186FS-1 day |
| 190 | Electrical 1st fl | 3 days | Tue 6/21/05 | Thu 6/23/05 | ys,186FS-3 days,187FS-3 days |
| 191 | | | | | |
| 192 | Building finals | 15 days | Fri 9/2/05 | Fri 9/23/05 | |
| 193 | Final Inspections | 5 days | Fri 9/2/05 | Fri 9/9/05 | 189,190,158,112,124 |
| 194 | Rain delays | 10 days | Mon 9/12/05 | Fri 9/23/05 | 193 |
| 195 | Final completion | 0 days | Fri 9/23/05 | Fri 9/23/05 | 194 |

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Task | Critical Task | Progress | Milestone | Summary | Rolled Up Task | Rolled Up Critical Task | Rolled Up Milestone | Rolled Up Progress | Split | External Tasks | Project Summary | External Milestone | Deadline



MILLIE and SEVERSON

BOE-C6-0094078