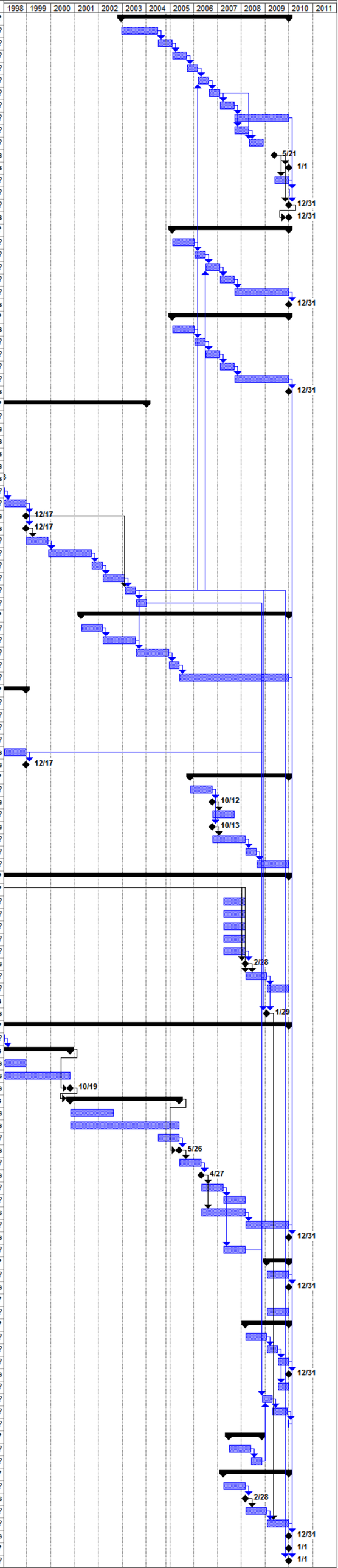ID	Task Name	Predecessors	Duration
1	**Emergency Response**		**1840 days?**
2	Assess Training Types		20 mons?
3	Develop ER Training/Eqipment Stnds	2	8 mons?
4	Sec 180c Funding Procedures	3	8 mons?
5	Federal Funding Commitment	4	6 mons?
6	Route Specific Baseline ER Survey	5,47	6 mons?
7	Route Specific ER Needs Assmnt	6	6 mons?
8	Detailed State ER Training Plan and Schedule	7	8 mons?
9	ER Training Program	8	30 mons?
10	Mutual Aid Agreements	8	8 mons?
11	Integrate Mutual AA with Existing ER Plans	10,7	8 mons?
12	Certify ERs? By Whom? - No		0 days
13	Certify ERs? By Whom? - Yes	12	0 days
14	Dev ER Certification Procedure	12	8 mons?
15	Certify Trained ER Personnel	14	1 day?
16	Complete ER Training	9,12	0 days?
17	Initiate ER Retraining Program	16	0 days
18	**Post-Accident Cleanup**		**1280 days?**
19	Est Funding Proc for S/L Cleanup under 180c		12 mons?
20	Federal Funding Commitment	19	6 mons?
21	Cleanup Baseline Capability Survey	20,47	8 mons?
22	Cleanup Needs Assessment	21	8 mons?
23	Purchase Cleanup Equip and Train Personnel	22	30 mons?
24	Initiate Cleanup Retraining Program	23	0 days
25	**Inspection**		**1280 days?**
26	Est Funding Proc for S/L Inspections under 180c		12 mons
27	Federal Funding Commitment	26	6 mons?
28	Est Inspection Stds (national, state, tribal, regional)	27	8 mons?
29	Interstate Inspection Agreements	28	8 mons?
30	Train Inspectors	29	30 mons?
31	Initiate Retraining Program	30	0 days
32	**Highway Routing**		**2560 days?**
33	Petition DOT for Rulemaking		2 mons?
34	Est Hwy Route Selection Methods/Criteria	33	18 mons
35	Rulemaking/Final Policy to Implement	34	6 mons
36	DOE takes final action on criteria	35	0 days
37	DOE applies criteria to potential routes	36	12 mons
38	DOE Selects Candidate National Route(s)	37,59	0 days
39	State Review of Candidate National Route(s)	38	12 mons?
40	State Analysis of Alternative Route(s)	39	12 mons?
41	State Preferred Alternative Route(s) - No	40	0 days
42	State Preferred Alternative Route(s) - Yes	40	0 days
43	Determine Intrastate Alternative(s) per HM 164	42	12 mons?
44	Determine Interstate/Regional Alternatives	43	24 mons?
45	Each State Selects Alternatives	44	6 mons?
46	Eliminate Route(s) Discontinuities	45	12 mons?
47	Final Hwy Route Determination	46,41	6 mons?
48	Develop Operational Restrictions (parking,time-of-day..	47	6 mons?
49	**Infrastructure**		**2280 days?**
50	Develop Infrastructure Funding Mechanism		12 mons?
51	Establish Decision Criteria for Funding	50	18 mons?
52	Survey Infrastructure Needs	51,47	18 mons?
53	Select Improvements	52	6 mons?
54	Construct Improvements	53	60 mons?
55	**Rail Routing**		**1560 days?**
56	Est Federal/State Routing Process		12 mons?
57	DOT Rulemaking?	56	18 mons?
58	DOT Criteria?	57	12 mons?
59	State Role/Regulation?	58	12 mons?
60	DOE Analyzes Alternative Routes	59	24 mons
61	DOE Identifies Candidate National Rail Routes	60	0 days
62	**Cask Standards**		**1080 days?**
63	Review NRC Modal Study		12 mons?
64	Adequate - Yes	63	0 days
65	Review Need for "High Hazard" Routing Criterion	64	12 mons?
66	NRC Standards OK? - No	63	0 days
67	Develop/Analyze Additional Scenarios	66	18 mons?
68	Petition NRC for Rulemaking	67	6 mons?
69	NRC Revises Regulations	68	18 mons?
70	**Modal Mix**		**5219 days?**
71	**Evaluate Alternative Modes**		**240 days?**
72	Reactor Infrastrucutre		12 mons?
73	Repository Infrastructre		12 mons?
74	Truck/Train Release Fraction Comparison		12 mons?
75	Railroad Contract Provision Options		12 mons?
76	Overweight Truck Assessment		12 mons?
77	DOE Rail Spur Decision	71,76	0 days
78	DOE Selects Modal Mix	71,77	12 mons?
79	Est Overweight Truck Permiting Process?	78	12 mons?
80	**National Highway/Rail Routes**		**0 days**
81	DOE Selects National Highway and Rail Routes	78,60,47	0 days
82	**Casks**		**3360 days?**
83	Select Cask Designers		12 mons?
84	**Preliminary Cask Designs**	**83**	**720 days**
85	Existing/Mod Cap/Truck		12 mons
86	Universal or Multi-purpose		36 mons
87	Apply to NRC for Cask Certification	84	0 days
88	**NRC Cask Certification Analysis**	**87**	**1200 days**
89	Exisitng/Mod Cap/Truck		24 mons
90	Universal or Multi-purpose		60 mons
91	Conduct Fuel Consolidation Study		12 mons?
92	NRC Certifies Cask(s) Design(s)	91,88	0 days
93	Establish Cask Fleet and Maintenance Requirements	92	12 mons?
94	DOE Selects Cask Design(s) and Manufacturer(s)	93	0 days
95	Construct Cask Prototypes	94	12 mons?
96	Full Scale Cask Tests	95	12 mons?
97	Operational Testing	94	24 mons
98	Manufacture Cask Fleet	97	24 mons?
99	Deliver Casks	98	0 days
100	Develop Cask Handling Procedures	95	12 mons?
101	**Transportation Management**		**240 days?**
102	DOE Evaluates Management Options		12 mons?
103	DOE Selects Preferred Management Option	102	0 days
104	**Accident/Incident Reporting**		**240 days?**
105	Est Accident/Incident Reporting Procedures		12 mons?
106	**Transportation Operator**		**480 days?**
107	Develop Services/Carrier RFPs		12 mons?
108	Develop Services/Carrier Performance Evaluation Proc	107	6 mons?
109	Develop Operator/Carrier Training Requirements	108	6 mons?
110	Select Service/Carrier Contractor(s)	109	0 days
111	Develop Operator Certification Procedure	108	6 mons?
112	Develop Final Operational Plans and Procedures	100,48,117	6 mons?
113	Train Operators	112	8 mons?
114	Certify Operators	113	1 mon?
115	**Notification**		**360 days?**
116	Evaluate Notification Options and Technologies		12 mons?
117	Est Notification Procedures	116	6 mons?
118	**Security**		**720 days?**
119	Est 180c Funding Procedures for S/L Law Enforcemen		12 mons?
120	Federal Funding Commitment	119	0 days
121	Evaluate Existing Operator/S/L Security Procedures	120	12 mons?
122	Train S/L Law Enforcement	81,121	12 mons?
123	Initiate Retraining Program	122	0 days
124	**Initiate Shipments**		**0 days?**
125	Shipments Begin	30,47,114,54	0 days?