

EXHIBIT B-2
INITIAL BASELINE SCHEDULE

[SEE ATTACHED]

I-95 HOV/HOT Lanes Project

Schedule Narrative: Baseline Schedule



General Execution Plan

The attached schedule reflects Fluor-Lane95's baseline execution plan to complete the Work Scope for the I-95 HOV\HOT Lanes Project and achieve Project Final Acceptance by March 30, 2015.

In developing this schedule, the Fluor-Lane95 project team has analyzed the Scope of Work and developed a plan for its execution. The Work has been broken down into a detailed network of activities required to complete the project. For each set of activities, both basic sequencing and project specific constraints have been taken into account when assigning logic relationships. To establish activity durations, quantities have been estimated and crew productions analyzed.

Fluor-Lane95 has worked with our design team to develop and prioritize a set of design packages that fully support the construction plan. Design manpower requirements have been reviewed and resources made available to the project.

The creation of this schedule has also allowed us to better understand the procurement process by quantifying and time phasing all of the critical engineered items such as bridge girders, sound wall panels, retaining wall panels, etc.

The specific construction challenges set forth by the Scope of Work have been address in our schedule. Foremost amongst these is maintaining daytime traffic flow on the current HOV lanes while constructing the facilities required for the new HOT lanes. Our MOT plan reflected in the schedule involves shifting HOV traffic into east and west phases, allowing the work to proceed on the portion of the corridor available to us at that time. When required by the nature of the work, full nighttime closures of the HOV lanes will be carried out to allow for the execution of the work.

Through coordination with our Tolling and Traffic Management team we have detailed the current construction scope and included the time requirements for the final testing and commissioning of the system.

We believe the attached schedule provides an effective tool to accurately baseline the Project, provides a tool to manage project execution, establishes a basis to measure progress and provides a tool to evaluate monthly billings.

Schedule Development

The following activities have been fully detailed base on current knowledge of work scope:

- ROW – All ROW parcels currently identified in the ROW Acquisition Plan, have been included in the Schedule. All the Parcels are included with a “start as late as possible” constraint and show the latest date that will not impact construction.



- Design – All the design packages, with their review process have been included in the Schedule. Design activities have been loaded with man-hours and tied to the relevant construction activities.
- Utility relocations – Design packages for all known utility relocations have been included in the schedule. Information from utility owners (when available) has been utilized when calculating durations, utility owners have been identified and coded, utility type & location added to the descriptions and all affected construction activities tied.
- Permits – Major permits have been included in the schedule.
- Interface with other projects – Known interfaces with other project had been shown in the schedule.
- Maintenance of Traffic – Activities have been included for all major MOT items. Activities for traffic shifts have been included and opening and closing of roadways and ramps identified.
- Demolitions – Activities have been included for roadway and bridge demolitions where required.
- Ground Improvements – All ground improvement activities including soil improvements and settlement durations have been included in the schedule.
- Earthwork – Earthwork activities have been included for each of the work zones and detailed as required. “Cut” and “Fill” quantities have been included for each of the activities as a “material resource”
- Drainage – Drainage has been included and detailed into separate “deep” and “shallow” activities. Linear ft of pipe quantities have been included for each of the activities as a “material resource”. Major box culverts have also been identified with separate activities.
- Retaining Walls – Retaining walls have been thoroughly detailed in the schedule. Each RW has been detailed into leveling pad, construct & backfill, place panels and moment slab/coping activities.
- Roadway Activities – Activities have been included for placing of subbase and concrete paving. Each of these has been loaded with their relevant quantities.
- Roadway Finishes – Activities have been included for striping, permanent barrier, guardrail, etc.
- Bridges – Bridges have been detailed in great depth. Activities have been included for piling, shoring, substructures, superstructures, girder placement, approach panels, etc. Quantities have been included for most of these categories.
- Noise Walls – Activities have included for installation of noise walls. Quantities have been included for both number of posts and square feet of panels.



- Tolling and Traffic Management – TTMS activities have been included for each of the major work zones. These currently include activities for installation of duct banks, pulling of wires, installation of tech. shelters, erection of toll gantries, DMS / LUMS systems, etc. These activities will be further detailed once the Work Scope is further developed.

Schedule Organization

- Project Calendars – Fluor-Lane9595 has made use of numerous project calendars to model the work. These have been listed in Attachment A and working / non working periods can be reviewed directly in the schedule. The standard calendar is a 5 day/week administrative calendar that includes all standard VDOT holidays.
- Work Breakdown Structure – The WBS utilized has four levels (see Attachment B):
 - Project (level 1)
 - Work Segments (level 2)
 - Work Areas (level 3)
 - Work Zones (level 4) or *specific elements, bridges, roadway segments, etc*
- Activity Codes – Provide additional grouping, sorting and filtering capabilities (see Attachment C):
 - Design Pkg – applicable to all design activities these codes identify to what design package an activity belongs to.
 - Responsibility – identifies who is responsible to carry out the work or, in case of utilities, who the utility owner is.
 - Type of Work – hierarchical structure use to identify the type of work for each activity.
 - Lane Phase – designates the construction phase for an activity when applicable.
 - Walls – allows the filtering and organization of sound and retaining walls by number.
 - Summary – coding for the creation of summary level executive reports.
 - Path – identifies project longest path activities and near critical paths.
 - Funding Source – identifies the funding source for a certain activity (under development).



Use of Constraints in the Schedule

Fluor-Lane95 has strived to reduce to number of constraints in the schedule, but in some instances using constraints provides the best modeling of the work to be performed. All constrained activities have been listed in Attachment D and a justification has been provided in each case. Use of constraints has been done in the following cases:

- Contractual Milestone – Milestone dates have been modeled with “hard” constraints. Examples include Notice to Proceed Early Works and Project Substantial Completion.
- Modeling of MOT Requirements – MOT Contractual requirements such as road closures limited to a set number of days, have been modeled using “finish as late as possible” constraints on some activities in order to minimize the duration of the road closure.
- ROW Acquisitions - All ROW parcel acquisitions have been given a “start as late as possible” constraint.
- Material Procurement – To better model cost distribution and Vendor resources availability, material procurement activities have been given a “start as late as possible constraint”.

Other Contractual Requirements

- Activity Durations greater than 30 days – Fluor-Lane95 has maintained most of the activity durations under the 30 day requirement. Attachment H provides a list of activities with durations greater than 30 days. Fluor-Lane95 believes that at this stage of project development these durations provide adequate modeling of the work. Once this schedule is progressed, some of these activities could be further detailed if this would add value to the Schedule.

Project Milestones:

Contractual Early Date

• Notice to Proceed Early Works:	27-Mar-12	27-Mar-12
• Financial Close:	31-Jul-12	31-Jul-12
• Project Substantial Completion:	30-Dec-14	30-Dec-14
• Project Final Acceptance:	30-Mar-15	30-Mar-15



Longest Path

Attachment F illustrates the Critical Path (Longest Path). The Longest Path is the longest chain of activities leading to Project Completion. Currently the completion of Segment 3N is on the Longest Path.

In the schedule, multiple near critical paths exist. Ties introduced due to the comment resolution process have shifted the path from 4N (which was the critical path in the baseline schedule submitted on June 12, 2012) to 3N. In the June 12, 2012 baseline submittal, 3N was the next near critical path with merely 2 days of float.

The driving activities on the longest path start with roadway design for Segment 3N. The longest path continues through construction of various elements of 3N through paving of the HOT lanes and the installation of the access gates. This is followed by the handover to Transurban for the final TTMS testing and commissioning.

Resources

Fluor-Lane95 has included material quantities for all the significant activities in its Baseline Schedule. The curves generated from these (Attachment E) provide the basis for understanding the level of resources required to adequately plan the Project.

All of the attached curves are based on early curves, if necessary, Fluor-Lane95 will utilize available project float to optimize to number of crews that will be required for each of the activities.

Resource “mapping” from P6 resources to work type are provided in Attachment J

Cost Loading

Fluor-Lane95 has cost loaded the Baseline Schedule to reflect the Contract Price. The Price Summary is reflected in Attachment I.

The cost loading process has been carried out by breaking down the Contract Price into cost categories and prorating these amounts into the activities, based on their significant quantities. Details of this process can be seen in Attachment G – Cost Loading Details.

P6 Cost Accounts (Attachment J) are utilized to summarize the details back into the categories shown in the Price Summary.



Attachments: Attachment A – Project Calendars
Attachment B – Work Breakdown Structure
Attachment C – Activity Codes
Attachment D – Log of Constraints
Attachment E – Resource Curves
Attachment F – Longest Path
Attachment G – Cost Loading Details
Attachment H – OD Greater than 30 days
Attachment I – Price Summary
Attachment J – Resource / Cost Coding Maps
Attachment K - Monthly Progress Earning Schedule.-

P6. xer file (v7.0)



Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015																																																																			
						2012				2013				2014				2015				2015																																																																																							
						J	F	M	A	J	F	M	A	J	F	M	A	J	F	M	A	J	F	M	A																																																																																				
I-95 HOT Lanes																						Project Wide																						Milestones																						No Lane Phase																						Milestones																					
0.00.00010	Notice to Proceed Early Works	0	27-Mar-12		0	Notice to Proceed Early Works																																																																																																							
0.00.00020	Financial Close	0	31-Jul-12*		6	◆ Financial Close																																																																																																							
0.00.90250	Construction Notice to Proceed	0	31-Jul-12		14	◆ Construction Notice to Proceed																																																																																																							
0.00.90050	Fiber Optic Comm. Backbone Cable in CER - Handover to Transurban	0		15-Apr-13	182													◆ Fiber Optic Comm. Backbone Cable in CER - Handover to Transurban																																																																																											
0.00.90060	Hot Operations Fit Out / Testing (by Transurban)	300	16-Apr-13	26-Jun-14	126													Hot Operations Fit Out / Testing (by Transurban)																																																																																											
0.00.90230	Work Area Available to DAR Project for Rp FNBA Pier Construction	90	19-Sep-13	17-Dec-13	121													Work Area Available to DAR Project for Rp FNBA Pier Construction																																																																																											
0.00.90010	TMS Roadside Equipment - Start Handover to Transurban	0		30-Sep-13	546													◆ TMS Roadside Equipment - Start Handover to Transurban																																																																																											
0.00.90030	Tolling Locations - Start Handover to Transurban	0		11-Apr-14	353																									◆ Tolling Locations - Start Handover to Transurban																																																																															
0.00.90090	TMS Roadside Equipment - Complete Handover to Transurban	0		03-Jun-14	27																									◆ TMS Roadside Equipment - Complete Handover to Transurban																																																																															
0.00.90240	Work Area Available to VDOT Shoulder Widening Project	0	28-Jun-14		276																									◆ Work Area Available to VDOT Shoulder Widening Project																																																																															
0.00.90070	Tolling Locations - Complete Handover to Transurban	0		30-Jun-14	0																									◆ Tolling Locations - Complete Handover to Transurban																																																																															
0.00.90100	TTMS Final Testing & Commissioning (by TU)	183	01-Jul-14	30-Dec-14	0																									TTMS Final Testing & Commissioning (by TU)																																																																															
0.00.90260	Work Areas Available to other VDOT Projects	0	05-Nov-14		146																									◆ Work Areas Available to other VDOT Projects																																																																															
0.00.00090	Project Substantial Completion	0		30-Dec-14*	0																									◆ Project Substantial Completion																																																																															
0.00.00150	Final Punchlisting	90	31-Dec-14	30-Mar-15	0																									Final Punchlisting																																																																															
0.00.00100	Project Final Acceptance	0		30-Mar-15	0																									◆ Project Final Acceptance																																																																															
Design & Project Deliverables																						High Occupancy Toll Lanes																						Permits																						No Lane Phase																						General Requirements																					
00.00.50475	Permit: Notify VRMC 15 Days Prior to Construction	0		27-Mar-12	251	Permit: Notify VRMC 15 Days Prior to Construction																																																																																																							
00.00.50485	Permit: Notify VDEQ 10 Days Prior to Construction	0		27-Mar-12	256	Permit: Notify VDEQ 10 Days Prior to Construction																																																																																																							
00.00.50000	Concessionaire Management Plan	50	27-Mar-12	05-Jun-12	42	Concessionaire Management Plan																																																																																																							
00.00.50080	Document Management Plan	30	27-Mar-12	07-May-12	62	Document Management Plan																																																																																																							
00.00.50320	Construction Quality Management Plan	30	27-Mar-12	07-May-12	22	Construction Quality Management Plan																																																																																																							
00.00.50400	Environmental Management Plan	35	27-Mar-12	14-May-12	17	Environmental Management Plan																																																																																																							
00.00.50480	ROW Acquisition Plan	30	27-Mar-12	07-May-12	62	ROW Acquisition Plan																																																																																																							
00.00.50560	Utilities Plan	30	27-Mar-12	07-May-12	23	Utilities Plan																																																																																																							
00.00.50640	Maintenance of Traffic Plan	30	27-Mar-12	07-May-12	62	Maintenance of Traffic Plan																																																																																																							
00.00.50720	Communications Plan	30	27-Mar-12	07-May-12	62	Communications Plan																																																																																																							
00.00.50800	DBE/SWaM Plan	30	27-Mar-12	07-May-12	62	DBE/SWaM Plan																																																																																																							
00.00.50880	Health, Safety & Security Plan	35	27-Mar-12	14-May-12	17	Health, Safety & Security Plan																																																																																																							
00.00.51200	Initial Baseline Schedule	25	27-Mar-12	30-Apr-12	29	Initial Baseline Schedule																																																																																																							
00.00.51210	Quality Management Systems Plan	12	27-Mar-12	11-Apr-12	80	Quality Management Systems Plan																																																																																																							
00.00.51220	Internal Review: Quality Management Systems Plan	5	12-Apr-12	18-Apr-12	80	Internal Review: Quality Management Systems Plan																																																																																																							
00.00.51230	Incorp. Internal Review Comments: Quality Management Systems Plan	5	19-Apr-12	25-Apr-12	80	Incorp. Internal Review Comments: Quality Management Systems Plan																																																																																																							
00.00.51240	VDOT Review: Quality Management Systems Plan	21	26-Apr-12	16-May-12	937	VDOT Review: Quality Management Systems Plan																																																																																																							
00.00.51120	Baseline Schedule	18	01-May-12	24-May-12	54	Baseline Schedule																																																																																																							
00.00.50090	Internal Review: Document Management Plan	5	08-May-12	14-May-12	62	Internal Review: Document Management Plan																																																																																																							
00.00.50330	Internal Review: Construction Quality Management Plan	5	08-May-12	14-May-12	22	Internal Review: Construction Quality Management Plan																																																																																																							
00.00.50490	Internal Review: ROW Acquisition Plan	5	08-May-12	14-May-12	62	Internal Review: ROW Acquisition Plan																																																																																																							
00.00.50570	Internal Review: Utilities Plan	5	08-May-12	14-May-12	23	Internal Review: Utilities Plan																																																																																																							

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
Milestones																																													
0.00.10000	Design Start	0	27-Mar-12		0	Design Start																																							
Permits																																													
00.00.51290	Permit: Marine Corps Quantico Base Land Use Permit	0		27-Mar-12	210	Permit: Marine Corps Quantico Base Land Use Permit																																							
Design																																													
0.00.10110	Noise Analysis: LOITE Distribution	10	27-Mar-12	09-Apr-12	27	Noise Analysis: LOITE Distribution																																							
0.00.90110	Noise Analysis: Determine Existing Conditions (Segment 4)	10	10-Apr-12	23-Apr-12	27	Noise Analysis: Determine Existing Conditions (Segment 4)																																							
0.00.90120	Noise Analysis: Noise Prediction (Segment 4)	10	24-Apr-12	07-May-12	27	Noise Analysis: Noise Prediction (Segment 4)																																							
0.00.90130	Noise Analysis: Noise Impact Assessment (Segment 4)	5	08-May-12	14-May-12	27	Noise Analysis: Noise Impact Assessment (Segment 4)																																							
0.00.90140	Noise Analysis: Noise Abement Evaluation (Segment 4)	10	15-May-12	29-May-12	27	Noise Analysis: Noise Abement Evaluation (Segment 4)																																							
0.00.90150	Noise Analysis: Report (Segment 4)	10	30-May-12	12-Jun-12	127	Noise Analysis: Report (Segment 4)																																							
0.00.90160	Noise Analysis: Validate Existing Conditions (Segment 1,2,3)	15	30-May-12	19-Jun-12	27	Noise Analysis: Validate Existing Conditions (Segment 1,2,3)																																							
0.00.90170	Noise Analysis: Noise Prediction (Segment 1,2,3)	20	20-Jun-12	18-Jul-12	27	Noise Analysis: Noise Prediction (Segment 1,2,3)																																							
0.00.90180	Noise Analysis: Noise Impact Assessment (Segment 1,2,3)	10	19-Jul-12	01-Aug-12	27	Noise Analysis: Noise Impact Assessment (Segment 1,2,3)																																							
0.00.90190	Noise Analysis: Noise Abement Evaluation (Segment 1,2,3)	25	02-Aug-12	06-Sep-12	27	Noise Analysis: Noise Abement Evaluation (Segment 1,2,3)																																							
0.00.90200	Noise Analysis: Report (Segment 1,2,3)	20	07-Sep-12	04-Oct-12	27	Noise Analysis: Report (Segment 1,2,3)																																							
0.00.90210	Noise Analysis: Public Involvement & Community Input	15	05-Oct-12	26-Oct-12	32	Noise Analysis: Public Involvement & Community Input																																							
0.00.90220	Noise Analysis: Completed	0		26-Oct-12	32	Noise Analysis: Completed																																							
Project Management																																													
No Lane Phase																																													
General Requirements																																													
0.00.90590	Project Office Setup	40	27-Mar-12	21-May-12	54	Project Office Setup																																							
0.00.90930	Letter Of Credit	15	27-Mar-12	16-Apr-12	79	Letter Of Credit																																							
0.00.90290	Project Management & Indirects (Apr 2012)	5	02-Apr-12*	06-Apr-12*	16	Project Management & Indirects (Apr 2012)																																							
0.00.91300	Tolling Systems Management for Early Works (Apr 2012)	5	02-Apr-12*	06-Apr-12*	16	Tolling Systems Management for Early Works (Apr 2012)																																							
0.00.90300	Project Management & Indirects (May 2012)	5	01-May-12*	07-May-12*	17	Project Management & Indirects (May 2012)																																							
0.00.91310	Tolling Systems Management for Early Works (May 2012)	5	01-May-12*	07-May-12*	17	Tolling Systems Management for Early Works (May 2012)																																							
0.00.90310	Project Management & Indirects (Jun 2012)	5	01-Jun-12*	07-Jun-12*	16	Project Management & Indirects (Jun 2012)																																							
0.00.91320	Tolling Systems Management for Early Works (Jun 2012)	5	01-Jun-12*	07-Jun-12*	16	Tolling Systems Management for Early Works (Jun 2012)																																							
0.00.90320	Project Management & Indirects (Jul 2012)	5	02-Jul-12*	09-Jul-12*	16	Project Management & Indirects (Jul 2012)																																							
0.00.91330	Tolling Systems Management for Early Works (Jul 2012)	5	02-Jul-12*	09-Jul-12*	16	Tolling Systems Management for Early Works (Jul 2012)																																							
0.00.90920	Construction Site Office Setup	30	31-Jul-12	11-Sep-12	30	Construction Site Office Setup																																							
0.00.90330	Project Management & Indirects (Aug 2012)	5	01-Aug-12*	07-Aug-12*	18	Project Management & Indirects (Aug 2012)																																							
0.00.90630	Construction Management & Indirects (Aug 2012)	5	01-Aug-12*	07-Aug-12*	18	Construction Management & Indirects (Aug 2012)																																							
0.00.90940	Mobilization Payment 1 (Aug 2012)	5	01-Aug-12*	07-Aug-12*	18	Mobilization Payment 1 (Aug 2012)																																							
0.00.91250	Tolling Systems Management & Indirects (Aug 2012)	5	01-Aug-12*	07-Aug-12*	18	Tolling Systems Management & Indirects (Aug 2012)																																							
0.00.90340	Project Management & Indirects (Sep 2012)	5	04-Sep-12*	10-Sep-12*	14	Project Management & Indirects (Sep 2012)																																							
0.00.90640	Construction Management & Indirects (Sep 2012)	5	04-Sep-12*	10-Sep-12*	14	Construction Management & Indirects (Sep 2012)																																							
0.00.90950	Mobilization Payment 2 (Sep 2012)	5	04-Sep-12*	10-Sep-12*	14	Mobilization Payment 2 (Sep 2012)																																							
0.00.91260	Tolling Systems Management & Indirects (Sep 2012)	5	04-Sep-12*	10-Sep-12*	14	Tolling Systems Management & Indirects (Sep 2012)																																							
0.00.90350	Project Management & Indirects (Oct 2012)	5	01-Oct-12*	05-Oct-12*	17	Project Management & Indirects (Oct 2012)																																							
0.00.90650	Construction Management & Indirects (Oct 2012)	5	01-Oct-12*	05-Oct-12*	17	Construction Management & Indirects (Oct 2012)																																							
0.00.90980	Tolling Systems Management & Indirects (Oct 2012)	5	01-Oct-12*	05-Oct-12*	17	Tolling Systems Management & Indirects (Oct 2012)																																							
0.00.90360	Project Management & Indirects (Nov 2012)	5	01-Nov-12*	07-Nov-12*	14	Project Management & Indirects (Nov 2012)																																							
0.00.90660	Construction Management & Indirects (Nov 2012)	5	01-Nov-12*	07-Nov-12*	14	Construction Management & Indirects (Nov 2012)																																							
0.00.90960	Mobilization Payment 3 (Nov 2012)	5	01-Nov-12*	07-Nov-12*	14	Mobilization Payment 3 (Nov 2012)																																							
0.00.90990	Tolling Systems Management & Indirects (Nov 2012)	5	01-Nov-12*	07-Nov-12*	14	Tolling Systems Management & Indirects (Nov 2012)																																							
0.00.90370	Project Management & Indirects (Dec 2012)	5	03-Dec-12*	07-Dec-12*	15	Project Management & Indirects (Dec 2012)																																							

█ Remaining Level of Effort █ Critical Remaining Work
█ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
1.00.12720	Constructability Review (MOT for C&G - Seg1)	5	10-Apr-12	16-Apr-12	45	Constructability Review (MOT for C&G - Seg1)																																							
1.00.12810	Incorp. Constructability Comments (Roadway Geometrics)	5	10-Apr-12	16-Apr-12	67	Incorp. Constructability Comments (Roadway Geometrics)																																							
1.00.12870	Roadway Design (Initial G&D)	65	10-Apr-12	11-Jul-12	27	Roadway Design (Initial G&D)																																							
1.00.12950	Roadway Design (MOT for Initial G&D)	65	10-Apr-12	11-Jul-12	51	Roadway Design (MOT for Initial G&D)																																							
1.00.13030	Roadway Design (Final Roadway - Zone 1.1 & 1.2)	150	10-Apr-12	09-Nov-12	68	Roadway Design (Final Roadway - Zone 1.1 & 1.2)																																							
1.00.13110	Roadway Design (MOT for FR - Zone 1.1 & 1.2)	120	10-Apr-12	27-Sep-12	68	Roadway Design (MOT for FR - Zone 1.1 & 1.2)																																							
1.00.11520	Constructability Review: Stage 1 (B72A)	5	17-Apr-12	23-Apr-12	135	Constructability Review: Stage 1 (B72A)																																							
1.00.11590	Bridge Design: Stage 1 (B72)	35	17-Apr-12	05-Jun-12	1	Bridge Design: Stage 1 (B72)																																							
1.00.11750	Bridge Design (B72A)	160	17-Apr-12	05-Dec-12	2	Bridge Design (B72A)																																							
1.00.11830	Retaining Wall Design (RW1, RW2 & RW3)	135	17-Apr-12	26-Oct-12	132	Retaining Wall Design (RW1, RW2 & RW3)																																							
1.00.12200	Incorp. Constructability Comments (C&G - Seg1)	5	17-Apr-12	23-Apr-12	52	Incorp. Constructability Comments (C&G - Seg1)																																							
1.00.12730	Incorp. Constructability Comments (MOT for C&G - Seg1)	5	17-Apr-12	23-Apr-12	45	Incorp. Constructability Comments (MOT for C&G - Seg1)																																							
1.00.12820	VDOT Final Review (Roadway Geometrics)	21	17-Apr-12	07-May-12	95	VDOT Final Review (Roadway Geometrics)																																							
1.00.11120	Constructability Review: Stage 1 (B69, B70 & B71)	5	24-Apr-12	30-Apr-12	60	Constructability Review: Stage 1 (B69, B70 & B71)																																							
1.00.11190	Bridge Design (B69)	85	24-Apr-12	22-Aug-12	5	Bridge Design (B69)																																							
1.00.11270	Bridge Design (B70)	85	24-Apr-12	22-Aug-12	11	Bridge Design (B70)																																							
1.00.11350	Bridge Design (B71)	85	24-Apr-12	22-Aug-12	75	Bridge Design (B71)																																							
1.00.11430	Retaining Wall Design (RW4, RW5 & RW6)	85	24-Apr-12	22-Aug-12	89	Retaining Wall Design (RW4, RW5 & RW6)																																							
1.00.11530	Incorp. Constructability Comments: Stage 1 (B72A)	5	24-Apr-12	30-Apr-12	135	Incorp. Constructability Comments: Stage 1 (B72A)																																							
1.00.12300	VDOT Final Review (C&G - Seg1)	21	24-Apr-12	14-May-12	74	VDOT Final Review (C&G - Seg1)																																							
1.00.12740	VDOT Final Review (MOT for C&G - Seg1)	21	24-Apr-12	14-May-12	64	VDOT Final Review (MOT for C&G - Seg1)																																							
1.00.11130	Incorp. Constructability Comments: Stage 1 (B69, B70 & B71)	5	01-May-12	07-May-12	60	Incorp. Constructability Comments: Stage 1 (B69, B70 & B71)																																							
1.00.11540	VDOT Final Review: Stage 1 (B72A)	21	01-May-12	21-May-12	193	VDOT Final Review: Stage 1 (B72A)																																							
1.00.11140	VDOT Final Review: Stage 1 (B69, B70 & B71)	21	08-May-12	28-May-12	86	VDOT Final Review: Stage 1 (B69, B70 & B71)																																							
1.00.12830	Comment Resolution (Roadway Geometrics)	7	08-May-12	14-May-12	95	Comment Resolution (Roadway Geometrics)																																							
1.00.12860	Approved as Final Roadway Design (Roadway Geometrics)	0		14-May-12	67	Approved as Final Roadway Design (Roadway Geometrics)																																							
1.00.12400	Comment Resolution (C&G - Seg1)	7	15-May-12	21-May-12	74	Comment Resolution (C&G - Seg1)																																							
1.00.12750	Comment Resolution (MOT for C&G - Seg1)	7	15-May-12	21-May-12	64	Comment Resolution (MOT for C&G - Seg1)																																							
1.00.10100	Constructability Review: Stage 1 (B67A, B67B & B68)	5	22-May-12	29-May-12	16	Constructability Review: Stage 1 (B67A, B67B & B68)																																							
1.00.10710	Bridge Design: Substructure (B67A)	40	22-May-12	18-Jul-12	5	Bridge Design: Substructure (B67A)																																							
1.00.10790	Bridge Design: Superstructure (B67A)	70	22-May-12	29-Aug-12	40	Bridge Design: Superstructure (B67A)																																							
1.00.10870	Retaining Wall Design (RW8, RW9 & RW10)	90	22-May-12	27-Sep-12	28	Retaining Wall Design (RW8, RW9 & RW10)																																							
1.00.10950	Bridge Design (B68)	100	22-May-12	12-Oct-12	3	Bridge Design (B68)																																							
1.00.11550	Comment Resolution: Stage 1 (B72A)	7	22-May-12	28-May-12	193	Comment Resolution: Stage 1 (B72A)																																							
1.00.12500	VDOTComment Verification (C&G - Seg1)	7	22-May-12	28-May-12	74	VDOTComment Verification (C&G - Seg1)																																							
1.00.12760	VDOTComment Verification (MOT for C&G - Seg1)	7	22-May-12	28-May-12	64	VDOTComment Verification (MOT for C&G - Seg1)																																							
1.00.11150	Comment Resolution: Stage 1 (B69, B70 & B71)	7	29-May-12	04-Jun-12	86	Comment Resolution: Stage 1 (B69, B70 & B71)																																							
1.00.11580	Approved as Final Bridge Design: Stage 1 (B72A)	0		29-May-12	133	Approved as Final Bridge Design: Stage 1 (B72A)																																							
1.00.12600	Final Comment Resolution (C&G - Seg1)	7	29-May-12	04-Jun-12	74	Final Comment Resolution (C&G - Seg1)																																							
1.00.12770	Final Comment Resolution (MOT for C&G - Seg1)	7	29-May-12	04-Jun-12	64	Final Comment Resolution (MOT for C&G - Seg1)																																							
1.00.10200	Incorp. Constructability Comments: Stage 1 (B67A, B67B & B68)	5	30-May-12	05-Jun-12	16	Incorp. Constructability Comments: Stage 1 (B67A, B67B & B68)																																							
1.00.11180	Approved as Final Bridge Design: Stage 1 (B69, B70 & B71)	0		04-Jun-12	61	Approved as Final Bridge Design: Stage 1 (B69, B70 & B71)																																							
1.00.12700	AFC Roadway Design (C&G - Seg1)	0		04-Jun-12	53	AFC Roadway Design (C&G - Seg1)																																							
1.00.12780	AFC Roadway Design (MOT for C&G - Seg1)	0		04-Jun-12	45	AFC Roadway Design (MOT for C&G - Seg1)																																							
1.00.10300	VDOT Final Review: Stage 1 (B67A, B67B & B68)	21	06-Jun-12	26-Jun-12	22	VDOT Final Review: Stage 1 (B67A, B67B & B68)																																							
1.00.11030	Bridge Design (B67B)	20	06-Jun-12	03-Jul-12	283	Bridge Design (B67B)																																							
1.00.11600	Constructability Review: Stage 1 (B72)	5	06-Jun-12	12-Jun-12	99	Constructability Review: Stage 1 (B72)																																							
1.00.11670	Bridge Design (B72)	125	06-Jun-12	05-Dec-12	1	Bridge Design (B72)																																							

█ Remaining Level of Effort █ Critical Remaining Work
█ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

I-95 HOT Lanes			Baseline Schedule													11-Jul-12 12:55																													
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
1.01.64802	Retaining Wall: Levelling Pad MSE (RW02) - Roadway	1	22-Jul-13	22-Jul-13	66													Retaining Wall: Levelling Pad MSE (RW02) - Roadway																											
1.01.64812	Retaining Wall: Panels & Backfill MSE (RW02) - Roadway	6	23-Jul-13	30-Jul-13	66													Retaining Wall: Panels & Backfill MSE (RW02) - Roadway																											
1.01.64822	Retaining Wall: Moment Slab & Barrier MSE (RW02)	6	01-Aug-13	08-Aug-13	167													Retaining Wall: Moment Slab & Barrier MSE (RW02)																											
1.01.64072	Retaining Wall: Excavation MSE (RW03) - Roadway	5	05-Aug-13	09-Aug-13	47													Retaining Wall: Excavation MSE (RW03) - Roadway																											
1.01.64082	Retaining Wall: Levelling Pad MSE (RW03) - Roadway	12	12-Aug-13	29-Aug-13	47													Retaining Wall: Levelling Pad MSE (RW03) - Roadway																											
1.01.64092	Retaining Wall: Panels & Backfill MSE (RW03) - Roadway	65	30-Aug-13	16-Dec-13	47													Retaining Wall: Panels & Backfill MSE (RW03) - Roadway																											
1.01.51530	Procure Panels: MSE (RW01)	31	30-Oct-13	16-Dec-13	52													Procure Panels: MSE (RW01)																											
1.01.40010	Retaining Wall: Excavation MSE (RW01)	3	05-Dec-13	09-Dec-13	47													Retaining Wall: Excavation MSE (RW01)																											
1.01.63962	Retaining Wall: Levelling Pad MSE (RW01)	5	10-Dec-13	16-Dec-13	47													Retaining Wall: Levelling Pad MSE (RW01)																											
1.01.63972	Retaining Wall: Panels & Backfill MSE (RW01)	32	17-Dec-13	07-Feb-14	47													Retaining Wall: Panels & Backfill MSE (RW01)																											
1.01.64102	Retaining Wall: Moment Slab & Barrier MSE (RW03)	27	17-Dec-13	31-Jan-14	62													Retaining Wall: Moment Slab & Barrier MSE (RW03)																											
1.01.63982	Retaining Wall: Moment Slab & Barrier MSE (RW01)	10	10-Feb-14	25-Feb-14	47													Retaining Wall: Moment Slab & Barrier MSE (RW01)																											
Roadway																																													
1.01.10030	Subbase (RpGHS)	7	17-Mar-14	25-Mar-14	36																									Subbase (RpGHS)															
1.01.10040	Paving (RpGHS)	11	15-Apr-14	01-May-14	115																									Paving (RpGHS)															
1.01.65032	Permanent Barrier (RpGHS)	6	02-May-14	09-May-14	144																									Permanent Barrier (RpGHS)															
1.01.65052	Guardrail (RpGHS)	5	02-May-14	08-May-14	145																									Guardrail (RpGHS)															
1.01.65432	Permanent Striping (RpGHS)	2	02-May-14	05-May-14	148																									Permanent Striping (RpGHS)															
Lighting																																													
1.01.10050	Roadway Lighting (RpGHS)	5	02-May-14	08-May-14	145																									Roadway Lighting (RpGHS)															
Traffic & Tolling Management Systems																																													
1.01.60208	Drill Shafts (RpGHS)	10	27-Mar-14	09-Apr-14	36																									Drill Shafts (RpGHS)															
1.01.65472	Instal Access Gates (RpGHS)	5	27-Mar-14	02-Apr-14	46																									Instal Access Gates (RpGHS)															
1.01.60224	Install Poles (RpGHS)	5	10-Apr-14	17-Apr-14	36																									Install Poles (RpGHS)															
Landscaping																																													
1.01.65442	Topsoil Placement & Landscaping (RpGHS)	5	25-Jul-13	01-Aug-13	317																									Topsoil Placement & Landscaping (RpGHS)															
No Lane Phase																																													
Retaining Walls																																													
1.03.605093	Retaining Wall Construction: SP&L St.43to46 (RpGHS)	31	15-Mar-13	01-May-13	230													Retaining Wall Construction: SP&L St.43to46 (RpGHS)																											
Bridge: Ramp GHS over SB Lanes (B72A)																																													
No Lane Phase																																													
Maintenance of Traffic																																													
1.01.65012	Temporary Barrier: GP Lanes @ Br27a (B72a)	3	25-Jan-13	31-Jan-13	2													Temporary Barrier: GP Lanes @ Br27a (B72a)																											
1.01.51290	Bridge Ready for Traffic (B72a)	0		03-Feb-14	206																									Bridge Ready for Traffic (B72a)															
Bridges																																													
1.01.63932	Procurement Piling: Bridge Rp GHS over I-95 SB Lanes (B72a)	75	17-Nov-12	30-Jan-13	4													Procurement Piling: Bridge Rp GHS over I-95 SB Lanes (B72a)																											
1.01.50010	Procurement Girders (Steel): Bridge Rp GHS over I-95 SB Lanes (B72a)	150	31-Jan-13	29-Jun-13	353													Procurement Girders (Steel): Bridge Rp GHS over I-95 SB Lanes (B72a)																											
1.01.51310	Foundations: Piling - Abutment B (B72a)	5	31-Jan-13	06-Feb-13	2													Foundations: Piling - Abutment B (B72a)																											
1.01.50240	Foundations: Piling - Abutment A (B72a)	5	07-Feb-13	14-Feb-13	2													Foundations: Piling - Abutment A (B72a)																											
1.01.51330	Foundations: Piling - Pier I (B72a)	8	15-Feb-13	28-Feb-13	2													Foundations: Piling - Pier I (B72a)																											
1.01.51340	Substructures: F&P Pier I - Footing (B72a)	5	03-May-13	09-May-13	47													Substructures: F&P Pier I - Footing (B72a)																											
1.01.64832	Substructures: F&P Pier I - Column (B72a)	5	10-May-13	17-May-13	47													Substructures: F&P Pier I - Column (B72a)																											
1.01.64842	Substructures: F&P Pier I - Cap (B72a)	15	20-May-13	11-Jun-13	47													Substructures: F&P Pier I - Cap (B72a)																											
1.01.51300	Substructures: F&P Abutment A (B72a)	25	13-Jun-13	22-Jul-13	47													Substructures: F&P Abutment A (B72a)																											
1.01.51320	Substructures: F&P Abutment B (B72a)	25	23-Jul-13	29-Aug-13	47													Substructures: F&P Abutment B (B72a)																											
1.01.64972	Slope Paving (B72a)	8	30-Aug-13	12-Sep-13	170													Slope Paving (B72a)																											
1.01.51350	Girder Installation: Span A (B72a)	5	07-Oct-13	11-Oct-13	155													Girder Installation: Span A (B72a)																											
1.01.51360	Girder Installation: Span B (B72a)	5	15-Oct-13	22-Oct-13	155													Girder Installation: Span B (B72a)																											
1.01.64852	Superstructure: SIP Forms (B72a)	10	23-Oct-13	06-Nov-13	155													Superstructure: SIP Forms (B72a)																											

Remaining Level of Effort Critical Remaining Work
 Remaining Work Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes

Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID | Activity Name | Original Duration | Start | Finish | Total Float | 2012 | 2013 | 2014 | 2015

Remaining Level of Effort, Critical Remaining Work, Remaining Work, Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes, Date, Revision, Checked, Approved

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015																																																																																																																																																											
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																																																																																																																																																											
1.02.75022	Bridge Deck Joints (B72)	5	15-May-14	21-May-14	117																																																																																																																																																																																																
1.02.75032	Bridge Barriers (B72)	5	22-May-14	30-May-14	117																																																																																																																																																																																																
1.02.75042	Bridge Deck Grooving (B72)	5	02-Jun-14	06-Jun-14	117																																																																																																																																																																																																
1.02.75012	Bridge Drainage & Lighting (B72)	10	09-Jun-14	23-Jun-14	117																																																																																																																																																																																																
HOT lanes Aquia Crk to Chopawamsic Crk																																																																																																																																																																																																					
High Occupancy Toll Lanes																																																																																																																																																																																																					
Environmental																																																																																																																																																																																																					
1.02.64993	Erosion Control Setup (1.2.HOT)	3	09-Aug-12	13-Aug-12	187																																																																																																																																																																																																
Maintenance of Traffic																																																																																																																																																																																																					
1.02.45025	Temporary Barrier: GP Lanes Inside * (1.2.HOT)	7	31-Jul-12	08-Aug-12	6																																																																																																																																																																																																
1.02.51080	Roadway Ready for Traffic (1.2.HOT)	0		02-Sep-14	73																																																																																																																																																																																																
Earthwork																																																																																																																																																																																																					
1.02.51020	Clearing, Grubbing & Topsoil Stripping (1.2.HOT)	50	09-Aug-12	26-Oct-12	6																																																																																																																																																																																																
1.02.64002	Earthwork: Ground Improvements (1.2.HOT)	75	04-Sep-12	04-Jan-13	6																																																																																																																																																																																																
1.02.64012	Support of Excavation (1.2.HOT)	10	11-Jan-13	29-Jan-13	2																																																																																																																																																																																																
1.02.51030	Earthwork (1.2.HOT) *	101	03-Apr-13	09-Sep-13	47																																																																																																																																																																																																
Drainage																																																																																																																																																																																																					
1.02.75152	Drainage: box culvert @ St. 177 (1.2.HOT) *	38	29-Oct-12	02-Jan-13	102																																																																																																																																																																																																
1.02.51040	Drainage: deep (1.2.HOT) *	57	31-Jan-13	30-Apr-13	86																																																																																																																																																																																																
1.02.75142	Drainage: box culvert @ St. 101to105 (1.2.HOT) *	40	31-Jan-13	15-Aug-13	47																																																																																																																																																																																																
1.02.63086	Drainage: shallow (1.2.HOT) *	89	01-Jul-13	19-Nov-13	37																																																																																																																																																																																																
Roadway																																																																																																																																																																																																					
1.02.51050	Subbase (1.2.HOT) *	22	31-Oct-13	25-Mar-14	12																																																																																																																																																																																																
1.02.51060	Paving (1.2.HOT)	45	15-Apr-14	24-Jun-14	73																																																																																																																																																																																																
1.02.75162	Permanent Barrier: BR71 Pier Protection (1.2.HOT)	3	26-Jun-14	30-Jun-14	113																																																																																																																																																																																																
1.01.65082	Guardrail (1.2.HOT)	43	26-Jun-14	02-Sep-14	73																																																																																																																																																																																																
1.02.75172	Permanent Striping (1.2.HOT)	2	26-Jun-14	27-Jun-14	114																																																																																																																																																																																																
Lighting																																																																																																																																																																																																					
1.02.51070	Roadway Lighting (1.2.HOT)	10	26-Jun-14	10-Jul-14	106																																																																																																																																																																																																
Traffic & Tolling Management Systems																																																																																																																																																																																																					
1.02.63044	Install Ductbank (1.2.HOT)	47	10-Sep-13	22-Nov-13	74																																																																																																																																																																																																
1.02.63074	Pull & Term Wires: Service Panel (1.2.HOT)	5	29-Oct-13	05-Nov-13	144																																																																																																																																																																																																
1.02.63064	Pull & Term Wire & Cable (1.2.HOT)	60	03-Mar-14	03-Jun-14	12																																																																																																																																																																																																
1.02.63046	Drill Shafts (1.2.HOT)	28	06-Mar-14	17-Apr-14	12																																																																																																																																																																																																
1.02.75212	Instal Access Gates (1.2.HOT)	5	27-Mar-14	02-Apr-14	46																																																																																																																																																																																																
1.02.63056	Install Poles & Associated Equip (1.2.HOT)	24	18-Apr-14	23-May-14	12																																																																																																																																																																																																
1.02.63066	Construction Testing (1.2.HOT)	10	27-May-14	10-Jun-14	12																																																																																																																																																																																																
1.02.63076	Service Panel Released to Trans Urban (1.2.HOT)	0		03-Jun-14	17																																																																																																																																																																																																
1.02.63068	Tolling/ITS/OH Signs released to Trans Urban (1.2.HOT)	0		10-Jun-14	12																																																																																																																																																																																																
Landscaping																																																																																																																																																																																																					
1.02.75192	Topsoil Placement & Landscaping (1.2.HOT)	30	20-Nov-13	09-Jan-14	219																																																																																																																																																																																																
NB Lanes Aquia Crk to 134+00																																																																																																																																																																																																					
GP Northbound																																																																																																																																																																																																					
Maintenance of Traffic																																																																																																																																																																																																					
1.02.10300	Roadway Ready for Traffic (1.2.NB)	0		10-Jan-14	218																																																																																																																																																																																																
Roadway																																																																																																																																																																																																					
1.01.65092	Guardrail (1.2.NB)	6	13-Dec-13	23-Dec-13	218																																																																																																																																																																																																
Noise Walls																																																																																																																																																																																																					
1.02.55660	Procure Panels (SWP35)	130	15-Jan-13	22-Jul-13	160																																																																																																																																																																																																
1.02.63912	Sound Wall: Place Temp Barrier & Clear (SWP35)	6	20-May-13	28-May-13	24																																																																																																																																																																																																

		TASK filter: No LOE.	Schedule for I-95 HOT Lanes			
		Page 15 of 72	Date	Revision	Checked	Approved
			11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
1.02.45000	Sound Wall: Install Posts (SWP35)	81	30-May-13	03-Oct-13	24																									Sound Wall: Install Posts (SWP35)															
1.02.63932	Sound Wall: Install Panels (SWP35)	52	23-Jul-13	10-Oct-13	144																									Sound Wall: Install Panels (SWP35)															
1.02.55650	Procure Panels (SWP34)	62	06-Aug-13	01-Nov-13	241																									Procure Panels (SWP34)															
1.02.63952	Sound Wall: Place Temp Barrier & Clear (SWP34)	4	30-Sep-13	03-Oct-13	24																									Sound Wall: Place Temp Barrier & Clear (SWP34)															
1.02.45100	Sound Wall: Install Posts (SWP34)	31	04-Oct-13	22-Nov-13	24																									Sound Wall: Install Posts (SWP34)															
1.02.63942	Sound Wall: Final Grading & Cleanup (SWP35)	5	11-Oct-13	21-Oct-13	144																									Sound Wall: Final Grading & Cleanup (SWP35)															
1.02.63972	Sound Wall: Install Panels (SWP34)	18	04-Nov-13	05-Dec-13	218																									Sound Wall: Install Panels (SWP34)															
1.02.63982	Sound Wall: Final Grading & Cleanup (SWP34)	5	06-Dec-13	12-Dec-13	218																									Sound Wall: Final Grading & Cleanup (SWP34)															
Traffic & Tolling Management Systems																																													
1.02.63072	Install Service Panel & Emergency Generator (1.2.NB)	5	22-Oct-13	28-Oct-13	144																									Install Service Panel & Emergency Generator (1.2.NB)															
1.02.63051	Drill Shafts (1.2.NB)	6	24-Dec-13	02-Jan-14	218																									Drill Shafts (1.2.NB)															
1.02.63058	Install Poles/Gantry & Associated Equip (1.2.NB)	6	03-Jan-14	10-Jan-14	218																									Install Poles/Gantry & Associated Equip (1.2.NB)															
Telegraph Rd over I95																																													
No Lane Phase																																													
Maintenance of Traffic																																													
1.02.75132	Temporary Barrier: GP Lanes @ Br71 (B71)	1	05-Mar-13	05-Mar-13	13																									Temporary Barrier: GP Lanes @ Br71 (B71)															
1.02.55520	Bridge Ready for Traffic (B71)	0		19-Nov-13	5																									Bridge Ready for Traffic (B71)															
Demolitions																																													
1.02.51230	Demo Existing Bridge: Telegraph Rd over I-95 (SB Lanes)	10	05-Mar-13	19-Mar-13	4																									Demo Existing Bridge: Telegraph Rd over I-95 (SB Lanes)															
1.02.51240	Demo Existing Bridge: Telegraph Rd over I-95 (NB Lanes)	10	20-Mar-13	03-Apr-13	8																									Demo Existing Bridge: Telegraph Rd over I-95 (NB Lanes)															
Bridges																																													
1.02.51000	Procurement Girders (Steel): Bridge Telegraph Rd over I-95 (B71)	150	19-Oct-12	17-Mar-13	112																									Procurement Girders (Steel): Bridge Telegraph Rd over I-95 (B71)															
1.02.64052	Procurement Piling: Bridge Telegraph Rd over I-95 (B71)	75	04-Jan-13	19-Mar-13	6																									Procurement Piling: Bridge Telegraph Rd over I-95 (B71)															
1.02.55410	Foundations: Piling - Abutment A (B71)	5	20-Mar-13	26-Mar-13	4																									Foundations: Piling - Abutment A (B71)															
1.02.55420	Foundations: Piling - Abutment B (B71)	5	04-Apr-13	11-Apr-13	8																									Foundations: Piling - Abutment B (B71)															
1.02.55440	Substructures: F&P Abutment A - Seat (B71)	14	11-Apr-13	01-May-13	2																									Substructures: F&P Abutment A - Seat (B71)															
1.02.55430	Foundations: Piling - Pier I (B71)	8	12-Apr-13	23-Apr-13	21																									Foundations: Piling - Pier I (B71)															
1.02.55450	Substructures: F&P Abutment B - Seat (B71)	14	02-May-13	22-May-13	2																									Substructures: F&P Abutment B - Seat (B71)															
1.02.64202	Substructures: F&P Pier I - Footing (B71)	5	23-May-13	31-May-13	2																									Substructures: F&P Pier I - Footing (B71)															
1.02.75052	Slope Paving (B71)	10	23-May-13	07-Jun-13	17																									Slope Paving (B71)															
1.02.64192	Substructures: F&P Pier I - Column (B71)	5	03-Jun-13	07-Jun-13	2																									Substructures: F&P Pier I - Column (B71)															
1.02.55460	Substructures: F&P Pier I - Cap (B71)	15	10-Jun-13	02-Jul-13	2																									Substructures: F&P Pier I - Cap (B71)															
1.02.55470	Girder Installation: Span A (B71)	5	08-Jul-13	12-Jul-13	0																									Girder Installation: Span A (B71)															
1.02.55480	Girder Installation: Span B (B71)	5	15-Jul-13	22-Jul-13	0																									Girder Installation: Span B (B71)															
1.02.63146	Substructures: F&P Abutment A - Backwall (B71)	19	15-Jul-13	12-Aug-13	2																									Substructures: F&P Abutment A - Backwall (B71)															
1.02.64972	Superstructure: SIP Forms (B71)	10	23-Jul-13	06-Aug-13	2																									Superstructure: SIP Forms (B71)															
1.02.64982	Superstructure: Studs (B71)	5	30-Jul-13	06-Aug-13	7																									Superstructure: Studs (B71)															
1.02.64992	Superstructure: Overhang (B71)	15	30-Jul-13	21-Aug-13	2																									Superstructure: Overhang (B71)															
1.02.63156	Substructures: F&P Abutment B - Backwall (B71)	19	13-Aug-13	12-Sep-13	2																									Substructures: F&P Abutment B - Backwall (B71)															
1.02.65002	Superstructure: Rebar (B71)	10	15-Aug-13	29-Aug-13	2																									Superstructure: Rebar (B71)															
1.02.65012	Superstructure: Pour Deck (B71)	9	04-Sep-13	17-Sep-13	0																									Superstructure: Pour Deck (B71)															
1.02.65022	Superstructure: Deck Cure & Strip (B71)	14	18-Sep-13	01-Oct-13	17																									Superstructure: Deck Cure & Strip (B71)															
1.02.75062	Sleeper Slab (B71)	10	18-Sep-13	02-Oct-13	0																									Sleeper Slab (B71)															
1.02.63116	Bridge Painting (B71)	15	02-Oct-13	24-Oct-13	140																									Bridge Painting (B71)															
1.02.75082	Bridge Drainage & Lighting (B71)	5	02-Oct-13	08-Oct-13	30																									Bridge Drainage & Lighting (B71)															
1.02.75072	Approach Slabs (B71)	10	03-Oct-13	18-Oct-13	0																									Approach Slabs (B71)															
1.02.75092	Bridge Deck Joints (B71)	5	21-Oct-13	25-Oct-13	5																									Bridge Deck Joints (B71)															
1.02.75102	Bridge Barriers (B71)	8	28-Oct-13	07-Nov-13	5																									Bridge Barriers (B71)															
1.02.75112	Bridge Deck Grooving (B71)	6	08-Nov-13	19-Nov-13	5																									Bridge Deck Grooving (B71)															

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
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11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
Telegraph Rd																																													
No Lane Phase																																													
Environmental																																													
1.02.65003	Erosion Control Setup (TelRd)	3	05-Mar-13	07-Mar-13	77													Erosion Control Setup (TelRd)																											
Maintenance of Traffic																																													
1.02.51250	Close Roadway to Traffic: Telegraph Rd (TelRd)	0	05-Mar-13*		4													Close Roadway to Traffic: Telegraph Rd (TelRd)																											
1.02.51220	Roadway Ready for Traffic (TelRd)	0		14-Nov-13	8													Roadway Ready for Traffic (TelRd)																											
1.02.51260	Open Roadway to Traffic: Telegraph Rd (TelRd)	0		19-Nov-13*	5													Open Roadway to Traffic: Telegraph Rd (TelRd)																											
Earthwork																																													
1.02.51160	Clearing, Grubbing & Topsoil Stripping (TelRd)	15	05-Mar-13	26-Mar-13	14													Clearing, Grubbing & Topsoil Stripping (TelRd)																											
1.02.51170	Earthwork (TelRd)	10	04-Apr-13	18-Apr-13	60													Earthwork (TelRd)																											
Drainage																																													
1.02.51180	Drainage: deep (TelRd)	5	28-Mar-13	03-Apr-13	60													Drainage: deep (TelRd)																											
1.02.63096	Drainage: shallow (TelRd)	12	19-Apr-13	07-May-13	95													Drainage: shallow (TelRd)																											
Retaining Walls																																													
1.02.55630	Procure Panels: MSE (RW04)	26	25-Feb-13	01-Apr-13	4													Procure Panels: MSE (RW04)																											
1.02.55640	Procure Panels: MSE (RW05)	26	12-Mar-13	16-Apr-13	9													Procure Panels: MSE (RW05)																											
1.02.64112	Retaining Wall: Excavation MSE (RW04)	1	28-Mar-13	28-Mar-13	4													Retaining Wall: Excavation MSE (RW04)																											
1.02.64122	Retaining Wall: Levelling Pad MSE (RW04)	2	29-Mar-13	01-Apr-13	4													Retaining Wall: Levelling Pad MSE (RW04)																											
1.02.64132	Retaining Wall: Panels & Backfill MSE (RW04)	4	02-Apr-13	05-Apr-13	4													Retaining Wall: Panels & Backfill MSE (RW04)																											
1.02.63992	Retaining Wall Construction: SP&L (TelRd)	57	04-Apr-13	02-Jul-13	60													Retaining Wall Construction: SP&L (TelRd)																											
1.02.64152	Retaining Wall: Excavation MSE (RW05)	1	12-Apr-13	12-Apr-13	8													Retaining Wall: Excavation MSE (RW05)																											
1.02.64162	Retaining Wall: Levelling Pad MSE (RW05)	2	15-Apr-13	16-Apr-13	8													Retaining Wall: Levelling Pad MSE (RW05)																											
1.02.64172	Retaining Wall: Panels & Backfill MSE (RW05)	4	17-Apr-13	22-Apr-13	8													Retaining Wall: Panels & Backfill MSE (RW05)																											
1.02.64022	Retaining Wall: Panels & Backfill MSE (RW04) - at Bridge Abutment	4	13-Aug-13	19-Aug-13	22													Retaining Wall: Panels & Backfill MSE (RW04) - at Bridge Abutment																											
1.02.64142	Retaining Wall: Moment Slab & Barrier MSE (RW04)	4	20-Aug-13	23-Aug-13	26													Retaining Wall: Moment Slab & Barrier MSE (RW04)																											
1.02.64032	Retaining Wall: Panels & Backfill MSE (RW05) - at Bridge Abutment	4	13-Sep-13	18-Sep-13	7													Retaining Wall: Panels & Backfill MSE (RW05) - at Bridge Abutment																											
1.02.64182	Retaining Wall: Moment Slab & Barrier MSE (RW05)	4	19-Sep-13	24-Sep-13	7													Retaining Wall: Moment Slab & Barrier MSE (RW05)																											
Roadway																																													
1.02.51190	Subbase (TelRd)	8	07-Oct-13	18-Oct-13	0													Subbase (TelRd)																											
1.02.51200	Paving (TelRd)	8	21-Oct-13	31-Oct-13	0													Paving (TelRd)																											
1.01.65102	Guardrail (TelRd)	2	01-Nov-13	04-Nov-13	14													Guardrail (TelRd)																											
1.02.75182	Permanent Striping (TelRd)	2	01-Nov-13	04-Nov-13	14													Permanent Striping (TelRd)																											
Lighting																																													
1.02.51210	Roadway Lighting (TelRd)	8	01-Nov-13	14-Nov-13	8													Roadway Lighting (TelRd)																											
Landscaping																																													
1.02.75202	Topsoil Placement & Landscaping (TelRd)	15	08-May-13	31-May-13	112													Topsoil Placement & Landscaping (TelRd)																											
Work Area Chopawamsic Crk to Joplin Rd																																													
No Lane Phase																																													
Utility Relocations																																													
1.00.70400	Design Utility: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3	60	03-Jul-12	26-Sep-12	161													Design Utility: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3																											
1.00.70620	Design Utility: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2	45	03-Jul-12	05-Sep-12	186													Design Utility: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2																											
1.00.70300	VDOT Review Utility Design: water main (20") @ St.244+65 (1.3.HOT) - MC...	21	29-Aug-12	18-Sep-12	34													VDOT Review Utility Design: water main (20") @ St.244+65 (1.3.HOT) - MCBQ-2																											
1.00.70330	VDOT Review Utility Design: water main (18") @ St.244+65 (1.3.HOT) - MC...	21	29-Aug-12	18-Sep-12	34													VDOT Review Utility Design: water main (18") @ St.244+65 (1.3.HOT) - MCBQ-1																											
1.00.70380	VDOT Review Utility Design: T/TG Telephone @ St.250+60 (1.3.HOT) - VR...	21	06-Sep-12	26-Sep-12	274													VDOT Review Utility Design: T/TG Telephone @ St.250+60 (1.3.HOT) - VRZ-3																											
1.00.70630	VDOT Review Utility Design: T/TG Telephone @ St. 249+22 (1.3.HOT) - VR...	21	06-Sep-12	26-Sep-12	274													VDOT Review Utility Design: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2																											
1.00.70410	VDOT Review Utility Design: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3	21	27-Sep-12	17-Oct-12	238													VDOT Review Utility Design: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3																											
1.00.70640	Construct Utility: T/TG Telephone @ St.249+22 (1.3.HOT) - VRZ-2	30	27-Sep-12	13-Nov-12	168													Construct Utility: T/TG Telephone @ St.249+22 (1.3.HOT) - VRZ-2																											
1.00.70420	Construct Utility: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3	40	18-Oct-12	21-Dec-12	145													Construct Utility: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3																											

█ Remaining Level of Effort █ Critical Remaining Work
█ Remaining Work ◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
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11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
1.00.70900	Relocation of utility Complete: T/TG Telephone @ St. 249+22 (1.3.HOT) - V...	0		13-Nov-12	168							◆ Relocation of utility Complete: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2																																	
1.00.70080	Relocation of utility Complete: electric X-ing @ St.250+25 (1.3.HOT) - DOM...	0		21-Dec-12	145							◆ Relocation of utility Complete: electric X-ing @ St.250+25 (1.3.HOT) - DOMD-3																																	
Bridge HOT Lanes over Chopawamsic Crk (B70)																																													
High Occupancy Toll Lanes																																													
Maintenance of Traffic																																													
1.03.56610	Bridge Ready for Traffic (B70)	0		02-Dec-13	243													◆ Bridge Ready for Traffic (B70)																											
Bridges																																													
1.03.50000	Procurement Girders (Steel): Bridge HOT Lanes over Chopawamsic Crk (B70)	150	19-Oct-12	17-Mar-13	50							▬ Procurement Girders (Steel): Bridge HOT Lanes over Chopawamsic Crk (B70)																																	
1.03.56540	Foundations: Drilled Shafts - Abutment A (B70)	14	19-Oct-12	08-Nov-12	10							▬ Foundations: Drilled Shafts - Abutment A (B70)																																	
1.03.56550	Foundations: Drilled Shafts - Abutment B (B70)	14	09-Nov-12	05-Dec-12	10							▬ Foundations: Drilled Shafts - Abutment B (B70)																																	
1.03.56560	Substructures: F&P Abutment A - Seat (B70)	10	24-Dec-12	09-Jan-13	9							▬ Substructures: F&P Abutment A - Seat (B70)																																	
1.03.56570	Substructures: F&P Abutment B - Seat (B70)	10	10-Jan-13	28-Jan-13	9							▬ Substructures: F&P Abutment B - Seat (B70)																																	
1.03.56580	Girder Installation (B70)	4	18-Mar-13	21-Mar-13	33							▬ Girder Installation (B70)																																	
1.03.605073	Substructures: F&P Abutment A - Backwall (B70)	15	20-May-13	11-Jun-13	30							▬ Substructures: F&P Abutment A - Backwall (B70)																																	
1.03.605083	Substructures: F&P Abutment B - Backwall (B70)	15	13-Jun-13	05-Jul-13	30							▬ Substructures: F&P Abutment B - Backwall (B70)																																	
1.03.605063	Bridge Painting (B70)	10	09-Oct-13	24-Oct-13	140													▬ Bridge Painting (B70)																											
No Lane Phase																																													
Bridges																																													
1.03.75122	Slope Paving (B70)	10	29-Jan-13	12-Feb-13	52							▬ Slope Paving (B70)																																	
1.03.65032	Superstructure: SIP Forms (B70)	10	08-Jul-13	22-Jul-13	33							▬ Superstructure: SIP Forms (B70)																																	
1.03.65042	Superstructure: Studs (B70)	5	18-Jul-13	24-Jul-13	33							▬ Superstructure: Studs (B70)																																	
1.03.65052	Superstructure: Overhang (B70)	10	25-Jul-13	08-Aug-13	33							▬ Superstructure: Overhang (B70)																																	
1.03.65062	Superstructure: Rebar (B70)	15	09-Aug-13	03-Sep-13	33							▬ Superstructure: Rebar (B70)																																	
1.03.65072	Superstructure: Pour Deck (B70)	5	18-Sep-13	24-Sep-13	24							▬ Superstructure: Pour Deck (B70)																																	
1.03.65082	Superstructure: Deck Cure & Strip (B70)	14	25-Sep-13	08-Oct-13	373							▬ Superstructure: Deck Cure & Strip (B70)																																	
1.03.75132	Sleeper Slab (B70)	10	26-Sep-13	09-Oct-13	243							▬ Sleeper Slab (B70)																																	
1.03.75142	Approach Slabs (B70)	10	10-Oct-13	25-Oct-13	243							▬ Approach Slabs (B70)																																	
1.03.75162	Bridge Deck Joints (B70)	5	28-Oct-13	04-Nov-13	243							▬ Bridge Deck Joints (B70)																																	
1.03.75172	Bridge Barriers (B70)	5	05-Nov-13	12-Nov-13	243							▬ Bridge Barriers (B70)																																	
1.03.75152	Bridge Drainage & Lighting (B70)	5	14-Nov-13	20-Nov-13	243							▬ Bridge Drainage & Lighting (B70)																																	
1.03.75182	Bridge Deck Grooving (B70)	5	21-Nov-13	02-Dec-13	243							▬ Bridge Deck Grooving (B70)																																	
Bridge HOT Lanes over Russel Rd (B69)																																													
GP Southbound																																													
Maintenance of Traffic																																													
1.04.51700	Bridge Ready for Traffic (B69)	0		16-Sep-13	45													◆ Bridge Ready for Traffic (B69)																											
High Occupancy Toll Lanes																																													
Maintenance of Traffic																																													
1.03.605133	Temporary Barrier: Russel Rd @ Br69 (B69)	1	19-Oct-12	19-Oct-12	16							▬ Temporary Barrier: Russel Rd @ Br69 (B69)																																	
Bridges																																													
1.04.64142	Procurement Piling: Bridge HOT Lanes over Russel Rd (B69)	75	23-Aug-12	05-Nov-12	10							▬ Procurement Piling: Bridge HOT Lanes over Russel Rd (B69)																																	
1.04.50000	Procurement Girders (Steel): Bridge HOT Lanes over Russel Rd (B69)	130	19-Oct-12	25-Feb-13	7							▬ Procurement Girders (Steel): Bridge HOT Lanes over Russel Rd (B69)																																	
1.04.51630	Foundations: Piling - Abutment A (B69)	8	06-Nov-12	19-Nov-12	6							▬ Foundations: Piling - Abutment A (B69)																																	
1.04.51650	Substructures: F&P Abutment A - Seat (B69)	10	20-Nov-12	06-Dec-12	9							▬ Substructures: F&P Abutment A - Seat (B69)																																	
1.04.51640	Foundations: Piling - Abutment B (B69)	8	20-Nov-12	04-Dec-12	6							▬ Foundations: Piling - Abutment B (B69)																																	
1.04.51660	Substructures: F&P Abutment B - Seat (B69)	10	07-Dec-12	21-Dec-12	9							▬ Substructures: F&P Abutment B - Seat (B69)																																	
1.04.51670	Girder Installation (B69)	4	26-Feb-13	04-Mar-13	4							▬ Girder Installation (B69)																																	
1.04.63185	Substructures: F&P Abutment A - Backwall (B69)	15	03-Apr-13	25-Apr-13	9							▬ Substructures: F&P Abutment A - Backwall (B69)																																	
1.04.63195	Substructures: F&P Abutment B - Backwall (B69)	15	26-Apr-13	17-May-13	9							▬ Substructures: F&P Abutment B - Backwall (B69)																																	
1.04.63175	Bridge Painting (B69)	10	29-Jul-13	12-Aug-13	50													▬ Bridge Painting (B69)																											

Remaining Level of Effort **Critical Remaining Work** **Remaining Work** **Milestone**

Schedule for I-95 HOT Lanes			
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012				2013				2014				2015												
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A
No Lane Phase																														
Bridges																														
1.04.75192	Slope Paving (B69)	10	24-Dec-12	09-Jan-13	31																									
1.04.65092	Superstructure: SIP Forms (B69)	10	20-May-13	04-Jun-13	9																									
1.04.65102	Superstructure: Studs (B69)	5	05-Jun-13	11-Jun-13	9																									
1.04.65112	Superstructure: Overhang (B69)	15	05-Jun-13	27-Jun-13	9																									
1.04.65122	Superstructure: Rebar (B69)	10	20-Jun-13	05-Jul-13	9																									
1.04.65132	Superstructure: Pour Deck (B69)	5	08-Jul-13	12-Jul-13	9																									
1.04.65142	Superstructure: Deck Cure & Strip (B69)	14	13-Jul-13	26-Jul-13	82																									
1.04.75202	Sleeper Slab (B69)	10	15-Jul-13	29-Jul-13	45																									
1.04.75212	Approach Slabs (B69)	10	30-Jul-13	13-Aug-13	45																									
1.04.75232	Bridge Deck Joints (B69)	5	15-Aug-13	21-Aug-13	45																									
1.04.75242	Bridge Barriers (B69)	5	22-Aug-13	29-Aug-13	45																									
1.04.75222	Bridge Drainage & Lighting (B69)	5	30-Aug-13	06-Sep-13	45																									
1.04.75252	Bridge Deck Grooving (B69)	5	09-Sep-13	16-Sep-13	45																									
HOT lanes Chopawamsic Crk to Joplin Rd																														
GP Northbound																														
Traffic & Tolling Management Systems																														
1.03.60500	Install Service Panel (w/o Generator) @ St.302&356: GP NB (1.3.HOT)	10	22-Apr-14	06-May-14	29																									
1.03.63094	Install GM Signs: GP NB (1.3.HOT)	1	22-Apr-14	22-Apr-14	156																									
1.03.60502	Pull & Term Service Panel Wire & Cable (1.3.HOT)	5	07-May-14	13-May-14	29																									
GP Southbound																														
Environmental																														
1.03.65083	Erosion Control Setup: SWM Pond @ Russel Rd (1.3.HOT)	3	19-Sep-12	21-Sep-12	189																									
Maintenance of Traffic																														
1.03.605123	Temporary Barrier: GP Lanes for SWM Pond @ Russel Rd (1.3.HOT)	2	31-Jul-12	01-Aug-12	217																									
Earthwork																														
1.03.65073	Clearing, Grubbing & Topsoil Stripping: SWM Pond @ Russel Rd (1.3.HOT)	5	19-Sep-12	25-Sep-12	187																									
1.03.65093	Earthwork: SWM Pond @ Russel Rd (1.3.HOT)	5	27-Sep-12	03-Oct-12	118																									
1.03.65103	Earthwork: Finishes - SWM Pond @ Russel Rd (1.3.HOT)	3	04-Oct-12	09-Oct-12	118																									
High Occupancy Toll Lanes																														
Environmental																														
1.03.65013	Erosion Control Setup (1.3.HOT)	3	19-Sep-12	21-Sep-12	200																									
Maintenance of Traffic																														
1.03.45145	Temporary Barrier: GP Lanes Inside (1.3.HOT)	15	31-Jul-12	21-Aug-12	95																									
1.03.11350	Roadway Ready for Traffic (1.3.HOT)	0		26-Aug-14	76																									
Earthwork																														
1.03.11290	Clearing, Grubbing & Topsoil Stripping (1.3.HOT)	60	19-Sep-12	27-Dec-12	78																									
1.03.64212	Earthwork: Undercut - at Bridge Abutment B	20	06-Dec-12	08-Jan-13	10																									
1.03.605103	Earthwork: Ground Improvements (1.3.HOT)	24	28-Dec-12	06-Feb-13	78																									
1.03.11300	Earthwork (1.3.HOT)	63	15-Apr-13	22-Jul-13	78																									
1.03.64852	Earthwork: Refill Undercut - at Bridge Abutment B	30	20-May-13	05-Jul-13	46																									
1.03.64862	Earthwork: Place Fill - at Bridge Abutment B	20	08-Jul-13	06-Aug-13	140																									
Drainage																														
1.03.11310	Drainage: deep (1.3.HOT)	36	07-Feb-13	04-Apr-13	116																									
1.03.605203	Drainage: box culverts (1.3.HOT)	94	07-Feb-13	05-Jul-13	78																									
1.03.605053	Drainage: shallow (1.3.HOT)	62	23-Jul-13	28-Oct-13	88																									
Roadway																														
1.03.60521	Permanent Barrier: Fill Support (1.3.HOT)	7	28-Dec-12	08-Jan-13	199																									
1.03.11320	Subbase (1.3.HOT)	40	29-Oct-13	21-Apr-14	23																									

▬ Remaining Level of Effort
 ▬ Critical Remaining Work
▬ Remaining Work
 ◆ Milestone

Schedule for I-95 HOT Lanes			
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11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015											
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A											
1.00.70890	Relocation of utility Complete: CATV @ St.376+50 (1.4.HOT) - COM-1	0		13-Nov-12	291	◆ Relocation of utility Complete: CATV @ St.376+50 (1.4.HOT) - COM-1																																															
SB Lanes Joplin Rd to St.420+00																																																					
GP Southbound																																																					
Maintenance of Traffic																																																					
1.04.51100	Roadway Ready for Traffic (1.4.SB)	0		28-Jan-13	434	◆ Roadway Ready for Traffic (1.4.SB)																																															
Roadway																																																					
1.04.51090	Permanent Barrier (1.4.SB)	3	24-Jan-13	28-Jan-13	434	█ Permanent Barrier (1.4.SB)																																															
Ramp JHS SB HOT Lanes to SB Lanes																																																					
GP Southbound																																																					
Environmental																																																					
1.04.65023	Erosion Control Setup (RpJHS)	3	17-Aug-12	21-Aug-12	54	█ Erosion Control Setup (RpJHS)																																															
Maintenance of Traffic																																																					
1.03.605143	Temporary Barrier: GP SB Lanes @ Rp JHS (RpJHS)	3	31-Jul-12	02-Aug-12	51	█ Temporary Barrier: GP SB Lanes @ Rp JHS (RpJHS)																																															
1.04.51170	Roadway Ready for Traffic (RpJHS)	0		08-May-14	145	◆ Roadway Ready for Traffic (RpJHS)																																															
Earthwork																																																					
1.04.51110	Clearing, Grubbing & Topsoil Stripping (RpJHS)	15	17-Aug-12	10-Sep-12	42	█ Clearing, Grubbing & Topsoil Stripping (RpJHS)																																															
1.04.51120	Earthwork (RpJHS)	43	11-Sep-12	15-Mar-13	42	█ Earthwork (RpJHS)																																															
Drainage																																																					
1.04.51130	Drainage: deep (RpJHS)	2	11-Sep-12	13-Sep-12	42	█ Drainage: deep (RpJHS)																																															
1.04.63155	Drainage: shallow (RpJHS)	37	18-Mar-13	10-May-13	219	█ Drainage: shallow (RpJHS)																																															
Retaining Walls																																																					
1.05.52790	Procure Panels: Post & Panel (RW08)	31	26-Nov-12	09-Jan-13	128	█ Procure Panels: Post & Panel (RW08)																																															
1.05.52800	Procure Panels: MSE (RW09)	26	26-Nov-12	02-Jan-13	29	█ Procure Panels: MSE (RW09)																																															
1.05.52810	Procure Panels: MSE (RW10)	41	26-Nov-12	25-Jan-13	35	█ Procure Panels: MSE (RW10)																																															
1.05.64232	Retaining Wall: Excavation MSE (RW09) - at Bridge Abutment	1	24-Dec-12	24-Dec-12	26	█ Retaining Wall: Excavation MSE (RW09) - at Bridge Abutment																																															
1.05.64242	Retaining Wall: Levelling Pad MSE (RW09) - at Bridge Abutment	4	27-Dec-12	02-Jan-13	26	█ Retaining Wall: Levelling Pad MSE (RW09) - at Bridge Abutment																																															
1.05.64252	Retaining Wall: Panels & Backfill MSE (RW09) - at Bridge Abutment	3	03-Jan-13	07-Jan-13	26	█ Retaining Wall: Panels & Backfill MSE (RW09) - at Bridge Abutment																																															
1.05.40000	Retaining Wall Construction: Soil Nail (RW08)	179	10-Jan-13	23-Oct-13	116	█ Retaining Wall Construction: Soil Nail (RW08)																																															
1.05.64272	Retaining Wall: Excavation MSE (RW10) - at Bridge Abutment	2	17-Jan-13	22-Jan-13	31	█ Retaining Wall: Excavation MSE (RW10) - at Bridge Abutment																																															
1.05.64282	Retaining Wall: Levelling Pad MSE (RW10) - at Bridge Abutment	3	23-Jan-13	25-Jan-13	31	█ Retaining Wall: Levelling Pad MSE (RW10) - at Bridge Abutment																																															
1.05.64292	Retaining Wall: Panels & Backfill MSE (RW10) - at Bridge Abutment	9	28-Jan-13	08-Feb-13	31	█ Retaining Wall: Panels & Backfill MSE (RW10) - at Bridge Abutment																																															
1.05.64872	Retaining Wall: Excavation MSE (RW09) - Roadway	1	20-Mar-13	20-Mar-13	128	█ Retaining Wall: Excavation MSE (RW09) - Roadway																																															
1.05.64882	Retaining Wall: Levelling Pad MSE (RW09) - Roadway	3	21-Mar-13	25-Mar-13	128	█ Retaining Wall: Levelling Pad MSE (RW09) - Roadway																																															
1.05.64892	Retaining Wall: Panels & Backfill MSE (RW09) - Roadway	4	26-Mar-13	01-Apr-13	128	█ Retaining Wall: Panels & Backfill MSE (RW09) - Roadway																																															
1.05.64912	Retaining Wall: Excavation MSE (RW10) - Roadway	5	26-Mar-13	02-Apr-13	107	█ Retaining Wall: Excavation MSE (RW10) - Roadway																																															
1.05.64902	Retaining Wall: Moment Slab & Barrier MSE (RW09)	6	02-Apr-13	09-Apr-13	240	█ Retaining Wall: Moment Slab & Barrier MSE (RW09)																																															
1.05.64922	Retaining Wall: Levelling Pad MSE (RW10) - Roadway	20	03-Apr-13	02-May-13	107	█ Retaining Wall: Levelling Pad MSE (RW10) - Roadway																																															
1.05.64932	Retaining Wall: Panels & Backfill MSE (RW10) - Roadway	81	03-May-13	09-Sep-13	107	█ Retaining Wall: Panels & Backfill MSE (RW10) - Roadway																																															
1.05.64942	Retaining Wall: Moment Slab & Barrier MSE (RW10)	37	10-Sep-13	06-Nov-13	107	█ Retaining Wall: Moment Slab & Barrier MSE (RW10)																																															
Roadway																																																					
1.04.51140	Subbase (RpJHS)	12	07-Nov-13	18-Mar-14	42	█ Subbase (RpJHS)																																															
1.04.51150	Paving (RpJHS)	10	15-Apr-14	29-Apr-14	116	█ Paving (RpJHS)																																															
1.04.75272	Permanent Barrier (RpJHS)	6	01-May-14	08-May-14	145	█ Permanent Barrier (RpJHS)																																															
1.01.65122	Guardrail (RpJHS)	4	01-May-14	06-May-14	147	█ Guardrail (RpJHS)																																															
1.04.75292	Permanent Striping (RpJHS)	1	01-May-14	01-May-14	150	█ Permanent Striping (RpJHS)																																															
Lighting																																																					
1.04.51160	Roadway Lighting (RpJHS)	5	01-May-14	07-May-14	146	█ Roadway Lighting (RpJHS)																																															
Traffic & Tolling Management Systems																																																					
1.04.63122	Drill Shafts (RpJHS)	5	19-Mar-14	25-Mar-14	48	█ Drill Shafts (RpJHS)																																															

█ Remaining Level of Effort
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█ Remaining Work
 ◆ Milestone

Schedule for I-95 HOT Lanes			
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
1.04.63992	Sound Wall: Place Temp Barrier & Clear (SWP31)	7	14-Nov-13	22-Nov-13	24																									█ Sound Wall: Place Temp Barrier & Clear (SWP31)															
1.04.45000	Sound Wall: Install Posts (SWP31)	44	25-Nov-13	07-Feb-14	24																													█ Sound Wall: Install Posts (SWP31)											
1.04.64012	Sound Wall: Install Panels (SWP31)	27	03-Jan-14	18-Feb-14	46																													█ Sound Wall: Install Panels (SWP31)											
1.04.64072	Sound Wall: Place Temp Barrier & Clear (incl fill) - S of Quantico Crk (SWP30)	11	23-Jan-14	07-Feb-14	24																													█ Sound Wall: Place Temp Barrier & Clear (incl fill) - S of Qua											
1.45.51040	Sound Wall: Install Posts - S of Quantico Crk (SWP30)	22	10-Feb-14	17-Mar-14	24																													█ Sound Wall: Install Posts - S of Quantico Crk (SWP30)											
1.04.64022	Sound Wall: Final Grading & Cleanup (SWP31)	5	19-Feb-14	25-Feb-14	46																													█ Sound Wall: Final Grading & Cleanup (SWP31)											
1.04.64092	Sound Wall: Install Panels - S of Quantico Crk (SWP30)	9	11-Mar-14	24-Mar-14	24																													█ Sound Wall: Install Panels - S of Quantico Crk (SWP30)											
1.04.64102	Sound Wall: Final Grading & Cleanup - S of Quantico Crk (SWP30)	5	25-Mar-14	01-Apr-14	24																													█ Sound Wall: Final Grading & Cleanup - S of Quantico											
1.45.51050	Sound Wall: Install Posts - On NB GP Bridge (SWP30)	8	29-May-14	09-Jun-14	124																													█ Sound Wall: Install Posts - On NB GP Brid											
1.04.64132	Sound Wall: Install Panels - On NB GP Bridge (SWP30)	2	10-Jun-14	12-Jun-14	124																													█ Sound Wall: Install Panels - On NB GP Bri											
Traffic & Tolling Management Systems																																													
1.04.63118	Drill Shafts GP NB	12	02-Apr-14	18-Apr-14	24																													█ Drill Shafts GP NB											
1.04.63126	Install Poles/Gantry & Associated Equip: GP NB (1.4.HOT)	11	21-Apr-14	06-May-14	24																													█ Install Poles/Gantry & Associated Equip: GP NB											
GP Southbound																																													
Traffic & Tolling Management Systems																																													
1.04.63120	Drill Shafts GP SB	6	19-Mar-14	27-Mar-14	42																													█ Drill Shafts GP SB											
1.04.63128	Install Poles/Gantry & Associated Equip: GP SB (1.4.HOT)	8	28-Mar-14	08-Apr-14	42																													█ Install Poles/Gantry & Associated Equip: GP SB (1.											
High Occupancy Toll Lanes																																													
Environmental																																													
1.04.65032	Erosion Control Setup (1.4.HOT)	3	17-Aug-12	21-Aug-12	176																									█ Erosion Control Setup (1.4.HOT)															
Maintenance of Traffic																																													
1.03.605163	Temporary Barrier: GP Inside lanes (1.4.HOT)	12	31-Jul-12	16-Aug-12	42																									█ Temporary Barrier: GP Inside lanes (1.4.HOT)															
1.04.10080	Roadway Ready for Traffic (1.4.HOT)	0		10-Dec-13	238																																	◆ Roadway Ready for Traffic (1.4.HOT)							
Earthwork																																													
1.04.10020	Clearing, Grubbing & Topsoil Stripping (1.4.HOT)	20	17-Aug-12	18-Sep-12	42																									█ Clearing, Grubbing & Topsoil Stripping (1.4.HOT)															
1.04.10030	Earthwork (1.4.HOT)	53	22-Oct-12	08-May-13	70																									█ Earthwork (1.4.HOT)															
1.04.63100	Earthwork: E. Ph. - Toll Gantry @ St.417 (1.4.HOT)	5	22-Oct-12	26-Oct-12	208																									█ Earthwork: E. Ph. - Toll Gantry @ St.417 (1.4.HOT)															
Drainage																																													
1.04.75262	Drainage: box culverts (1.4.HOT)	20	19-Sep-12	19-Oct-12	54																									█ Drainage: box culverts (1.4.HOT)															
1.04.10040	Drainage: deep (1.4.HOT)	33	22-Oct-12	14-Dec-12	54																									█ Drainage: deep (1.4.HOT)															
1.04.63165	Drainage: shallow (1.4.hot)	46	09-May-13	22-Jul-13	70																													█ Drainage: shallow (1.4.hot)											
Roadway																																													
1.04.10050	Subbase (1.4.HOT)	14	07-Aug-13	27-Aug-13	60																													█ Subbase (1.4.HOT)											
1.04.63115	Subbase: E. Ph. - Toll Gantry @ St.417 (1.4.HOT)	18	07-Aug-13	04-Sep-13	104																													█ Subbase: E. Ph. - Toll Gantry @ St.417; (1.4.HOT)											
1.04.10060	Paving (1.4.HOT)	15	29-Aug-13	20-Sep-13	151																													█ Paving (1.4.HOT)											
1.04.63125	Concrete Pad: E. Ph. - Toll Gantry @ St.417 (1.4.HOT)	4	05-Sep-13	10-Sep-13	169																													█ Concrete Pad: E. Ph. - Toll Gantry @ St.417 (1.4.HOT)											
1.04.63135	Paving Intermediate: E. Ph. - Toll Gantry @ St.417 (1.4.HOT)	20	19-Sep-13	21-Oct-13	180																													█ Paving Intermediate: E. Ph. - Toll Gantry @ St.417 (1.4.HOT)											
1.01.65132	Guardrail (1.4.HOT)	21	23-Sep-13	24-Oct-13	264																													█ Guardrail (1.4.HOT)											
1.04.75282	Permanent Barrier (1.4.HOT)	5	21-Oct-13	25-Oct-13	263																													█ Permanent Barrier (1.4.HOT)											
1.04.75302	Permanent Striping (1.4.HOT)	2	22-Oct-13	23-Oct-13	230																													█ Permanent Striping (1.4.HOT)											
Lighting																																													
1.04.10070	Roadway Lighting (1.4.HOT)	10	21-Nov-13	10-Dec-13	238																													█ Roadway Lighting (1.4.HOT)											
Traffic & Tolling Management Systems																																													
1.04.63112	Install Ductbank (1.4.HOT)	33	09-May-13	01-Jul-13	83																													█ Install Ductbank (1.4.HOT)											
1.04.63116	Drill Shafts (1.4.HOT)	32	29-Aug-13	18-Oct-13	125																													█ Drill Shafts (1.4.HOT)											
1.04.75332	Instal Access Gates (1.4.HOT)	5	29-Aug-13	05-Sep-13	172																													█ Instal Access Gates (1.4.HOT)											
1.04.63109	Pull & Term Tech Shelter Wire & Cable (1.4.HOT)	5	19-Sep-13	26-Sep-13	169																													█ Pull & Term Tech Shelter Wire & Cable (1.4.HOT)											
1.04.63110	Tech Shelter Released to Transurban (1.4.HOT)	0		26-Sep-13	169																																	◆ Tech Shelter Released to Transurban (1.4.HOT)							
1.04.63124	Install Poles & Associated Equip (1.4.HOT)	20	21-Oct-13	20-Nov-13	125																													█ Install Poles & Associated Equip (1.4.HOT)											

█ Remaining Level of Effort
 █ Critical Remaining Work
█ Remaining Work
 ◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015																																					
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																																					
1.04.52790	Bridge Ready for Traffic (B68)	0		13-Dec-13	235																																					◆	Bridge Ready for Traffic (B68)																																				
Bridges																																																																															
1.05.64062	Procurement Piling: Bridge HOT Lanes over Joplin Rd (B68)	75	27-Sep-12	10-Dec-12	3																																					█	Procurement Piling: Bridge HOT Lanes over Joplin Rd (B68)																																				
1.05.50000	Procurement Girders (Steel): Bridge HOT Lanes over Joplin Rd (B68)	150	08-Dec-12	06-May-13	6																																					█	Procurement Girders (Steel): Bridge HOT Lanes over Joplin Rd (B68)																																				
1.05.52720	Foundations: Piling - Abutment A (B68)	6	11-Dec-12	19-Dec-12	2																																					█	Foundations: Piling - Abutment A (B68)																																				
1.05.52730	Foundations: Piling - Abutment B (B68)	6	20-Dec-12	31-Dec-12	2																																					█	Foundations: Piling - Abutment B (B68)																																				
1.05.52880	Foundations: Piling - Pier 1 (B68)	7	02-Jan-13	10-Jan-13	2																																					█	Foundations: Piling - Pier 1 (B68)																																				
1.05.52740	Substructures: F&P Abutment A - Seat (B68)	10	29-Jan-13	12-Feb-13	9																																					█	Substructures: F&P Abutment A - Seat (B68)																																				
1.05.65002	Substructures: F&P Pier 1 - Footer (B68)	5	14-Feb-13	21-Feb-13	9																																					█	Substructures: F&P Pier 1 - Footer (B68)																																				
1.05.64992	Substructures: F&P Pier 1 - Stem Wall (B68)	15	22-Feb-13	18-Mar-13	9																																					█	Substructures: F&P Pier 1 - Stem Wall (B68)																																				
1.05.52750	Substructures: F&P Abutment B - Seat (B68)	10	19-Mar-13	02-Apr-13	9																																					█	Substructures: F&P Abutment B - Seat (B68)																																				
1.05.52760	Girder Installation (B68)	8	07-May-13	17-May-13	4																																					█	Girder Installation (B68)																																				
1.05.52840	Substructures: F&P Abutment A - Backwall (B68)	10	08-Jul-13	22-Jul-13	30																																					█	Substructures: F&P Abutment A - Backwall (B68)																																				
1.05.52850	Substructures: F&P Abutment B - Backwall (B68)	10	23-Jul-13	06-Aug-13	30																																					█	Substructures: F&P Abutment B - Backwall (B68)																																				
1.05.52830	Bridge Painting (B68)	10	22-Oct-13	03-Apr-14	133																																					█	Bridge Painting (B68)																																				
No Lane Phase																																																																															
Bridges																																																																															
1.05.75332	Slope Paving (B68)	10	03-Apr-13	17-Apr-13	16																																					█	Slope Paving (B68)																																				
1.05.65212	Superstructure: SIP Forms (B68)	10	07-Aug-13	21-Aug-13	30																																					█	Superstructure: SIP Forms (B68)																																				
1.05.65222	Superstructure: Studs (B68)	5	15-Aug-13	21-Aug-13	30																																					█	Superstructure: Studs (B68)																																				
1.05.65232	Superstructure: Overhang (B68)	10	15-Aug-13	29-Aug-13	30																																					█	Superstructure: Overhang (B68)																																				
1.05.65242	Superstructure: Rebar (B68)	15	22-Aug-13	16-Sep-13	30																																					█	Superstructure: Rebar (B68)																																				
1.05.65252	Superstructure: Pour Deck (B68)	8	26-Sep-13	07-Oct-13	24																																					█	Superstructure: Pour Deck (B68)																																				
1.05.65262	Superstructure: Deck Cure & Strip (B68)	14	08-Oct-13	21-Oct-13	360																																					█	Superstructure: Deck Cure & Strip (B68)																																				
1.05.75342	Sleeper Slab (B68)	10	08-Oct-13	23-Oct-13	235																																					█	Sleeper Slab (B68)																																				
1.05.75352	Approach Slabs (B68)	10	24-Oct-13	07-Nov-13	235																																					█	Approach Slabs (B68)																																				
1.05.75372	Bridge Deck Joints (B68)	5	08-Nov-13	18-Nov-13	235																																					█	Bridge Deck Joints (B68)																																				
1.05.75382	Bridge Barriers (B68)	5	19-Nov-13	25-Nov-13	235																																					█	Bridge Barriers (B68)																																				
1.05.75362	Bridge Drainage & Lighting (B68)	5	26-Nov-13	06-Dec-13	235																																					█	Bridge Drainage & Lighting (B68)																																				
1.05.75392	Bridge Deck Grooving (B68)	5	09-Dec-13	13-Dec-13	235																																					█	Bridge Deck Grooving (B68)																																				
Segment 2 - N. Of Quantico Creek to N. of Prince William Pkwy (St.449 to St.824)																																																																															
High Occupancy Toll Lanes																																																																															
East Phase																																																																															
Maintenance of Traffic																																																																															
2.01.63110	Roadway Ready for Traffic: E. Ph. (Segment 2)	0		10-Oct-13	0																																					◆	Roadway Ready for Traffic: E. Ph. (Segment 2)																																				
No Lane Phase																																																																															
Milestones																																																																															
0.00.00120	Segment 2 Roadway Complete	0		30-Jun-14	113																																					◆	Segment 2 Roadway Complete																																				
Design Segment 2																																																																															
No Lane Phase																																																																															
Design																																																																															
2.00.15160	Bridge Design (B60A, 60B, 63, 63A & 65)	105	27-Mar-12	22-Aug-12	518																																					█	Bridge Design (B60A, 60B, 63, 63A & 65)																																				
2.00.15240	Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 2N)	40	27-Mar-12	21-May-12	1																																					█	Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 2N)																																				
2.00.15250	Constructability Review (C&G, Duct Banks & MOT Ph.1 - Seg 2N)	5	22-May-12	29-May-12	181																																					█	Constructability Review (C&G, Duct Banks & MOT Ph.1 - Seg 2N)																																				
2.00.15320	Roadway Design (Misc. Roadway - Seg 2N)	105	22-May-12	19-Oct-12	52																																					█	Roadway Design (Misc. Roadway - Seg 2N)																																				
2.00.15560	Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 2N)	65	22-May-12	22-Aug-12	1																																					█	Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 2N)																																				
2.00.15260	Incorp. Constructability Comments (C&G, Duct Banks & MOT Ph.1 - Seg 2N)	5	30-May-12	05-Jun-12	181																																					█	Incorp. Constructability Comments (C&G, Duct Banks & MOT Ph.1 - Seg 2N)																																				
2.00.15270	VDOT Final Review (C&G, Duct Banks & MOT Ph.1 - Seg 2N)	21	06-Jun-12	26-Jun-12	268																																					█	VDOT Final Review (C&G, Duct Banks & MOT Ph.1 - Seg 2N)																																				
2.00.15280	Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 2N)	7	27-Jun-12	03-Jul-12	268																																					█	Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 2N)																																				

█ Remaining Level of Effort
 █ Critical Remaining Work
█ Remaining Work
 ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
2.00.15860	Final Comment Resolution (Misc. Roadway - Seg 2S)	7	04-Apr-13	10-Apr-13	1													Final Comment Resolution (Misc. Roadway - Seg 2S)																											
2.00.15870	AFC Roadway Design (Misc. Roadway - Seg 2S)	0		10-Apr-13	1													AFC Roadway Design (Misc. Roadway - Seg 2S)																											
2.00.63070	Procurement of Poles, Gantries & Misc.Steel (Segment 2S)	150	11-Apr-13	07-Sep-13	1													Procurement of Poles, Gantries & Misc.Steel (Segment 2S)																											
2.00.63080	Procurement of Roadside Equipment (Segment 2S)	120	11-Apr-13	08-Aug-13	31													Procurement of Roadside Equipment (Segment 2S)																											
Work Area St. Quantico Crk to Neabsco Crk																																													
No Lane Phase																																													
Utility Relocations																																													
2.00.70360	VDOT Review Utility Design: VDOT Telecom @ St.566+20 (2.1.HOT) - VDO...	21	19-Sep-12	09-Oct-12	610													VDOT Review Utility Design: VDOT Telecom @ St.566+20 (2.1.HOT) - VDOT-1																											
2.00.70230	VDOT Review Utility Design: OH (in ROW 150' Rt) @ St.449+05 (2.1.HOT) ...	21	20-Sep-12	10-Oct-12	243													VDOT Review Utility Design: OH (in ROW 150' Rt) @ St.449+05 (2.1.HOT) - DOMD-6																											
2.00.70320	VDOT Review Utility Design: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8	21	26-Sep-12	16-Oct-12	309													VDOT Review Utility Design: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8																											
2.00.70260	VDOT Review Utility Design: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7	21	27-Sep-12	17-Oct-12	236													VDOT Review Utility Design: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7																											
HOT Lanes Quantico Crk to Neabsco Crk																																													
GP Northbound																																													
Environmental																																													
2.01.65063	Erosion Control Setup: SWM Pond 2-3 @ St.512 (2.1.HOT)	3	14-Mar-13	18-Mar-13	322													Erosion Control Setup: SWM Pond 2-3 @ St.512 (2.1.HOT)																											
Earthwork																																													
2.01.64242	Clearing, Grubbing & Topsoil Stripping: SWM Pond 2-3 @ St.512 (2.1.HOT)	3	14-Mar-13	18-Mar-13	322													Clearing, Grubbing & Topsoil Stripping: SWM Pond 2-3 @ St.512 (2.1.HOT)																											
2.01.64202	Earthwork: SWM Pond 2-3 @ St.512 (2.1.HOT)	9	19-Mar-13	01-Apr-13	257													Earthwork: SWM Pond 2-3 @ St.512 (2.1.HOT)																											
2.01.64262	Earthwork: Finishes - SWM Pond 2-3 @ St.512 (2.1.HOT)	3	02-Apr-13	04-Apr-13	257													Earthwork: Finishes - SWM Pond 2-3 @ St.512 (2.1.HOT)																											
Noise Walls																																													
2.01.64152	Sound Wall: Place Temp Barrier & Clear - S. of Neabsco Crk (SWP24)	5	25-Oct-13	01-Nov-13	55													Sound Wall: Place Temp Barrier & Clear - S. of Neabsco Crk (SWP24)																											
2.01.60000	Sound Wall: Install Posts - S. of Neabsco Crk (SWP24)	15	04-Nov-13	26-Nov-13	55													Sound Wall: Install Posts - S. of Neabsco Crk (SWP24)																											
2.01.64172	Sound Wall: Install Panels - S. of Neabsco Crk (SWP24)	9	21-Nov-13	09-Dec-13	107													Sound Wall: Install Panels - S. of Neabsco Crk (SWP24)																											
2.01.64182	Sound Wall: Final Grading & Cleanup - S. of Neabsco Crk (SWP24)	5	10-Dec-13	16-Dec-13	107													Sound Wall: Final Grading & Cleanup - S. of Neabsco Crk (SWP24)																											
2.04.64032	Sound Wall: Place Temp Barrier & Clear (incl. Fill) - N of Quantico Crk (SWP30)	12	27-Feb-14	17-Mar-14	124													Sound Wall: Place Temp Barrier & Clear (incl. Fill) - N of Quantico Crk (SWP30)																											
2.45.51020	Sound Wall: Install Posts - N of Quantico Crk (SWP30)	46	18-Mar-14	27-May-14	124													Sound Wall: Install Posts - N of Quantico Crk (SWP30)																											
2.04.64052	Sound Wall: Install Panels - N of Quantico Crk (SWP30)	9	21-May-14	04-Jun-14	124													Sound Wall: Install Panels - N of Quantico Crk (SWP30)																											
2.04.64062	Sound Wall: Final Grading & Cleanup - N of Quantico Crk (SWP30)	5	05-Jun-14	12-Jun-14	124													Sound Wall: Final Grading & Cleanup - N of Quantico Crk (SWP30)																											
Traffic & Tolling Management Systems																																													
2.01.60070	Drill Shafts GP NB (2.1.HOT)	12	17-Dec-13	06-Jan-14	107													Drill Shafts GP NB (2.1.HOT)																											
2.01.60080	Install Poles/Gantry & Associated Equipment GP NB (2.1.HOT)	5	07-Jan-14	13-Jan-14	107													Install Poles/Gantry & Associated Equipment GP NB (2.1.HOT)																											
GP Southbound																																													
Environmental																																													
2.01.65052	Erosion Control Setup: SWM Pond 2-2 @ St.508 (2.1.HOT)	3	14-Mar-13	18-Mar-13	326													Erosion Control Setup: SWM Pond 2-2 @ St.508 (2.1.HOT)																											
Earthwork																																													
2.01.64232	Clearing, Grubbing & Topsoil Stripping: SWM Pond 2-2 @ St.508 (2.1.HOT)	4	14-Mar-13	19-Mar-13	325													Clearing, Grubbing & Topsoil Stripping: SWM Pond 2-2 @ St.508 (2.1.HOT)																											
2.01.64192	Earthwork: SWM Pond 2-2 @ St.508 (2.1.HOT)	5	20-Mar-13	26-Mar-13	260													Earthwork: SWM Pond 2-2 @ St.508 (2.1.HOT)																											
2.01.64252	Earthwork: Finishes - SWM Pond 2-2 @ St.508 (2.1.HOT)	3	28-Mar-13	01-Apr-13	260													Earthwork: Finishes - SWM Pond 2-2 @ St.508 (2.1.HOT)																											
Noise Walls																																													
2.01.52820	Procure Panels (SWP29)	64	14-Mar-13	12-Jun-13	99													Procure Panels (SWP29)																											
2.01.64112	Sound Wall: Place Temp Barrier & Clear (incl. Fill) (SWP29)	9	13-Jun-13	25-Jun-13	90													Sound Wall: Place Temp Barrier & Clear (incl. Fill) (SWP29)																											
2.01.51030	Sound Wall: Install Posts (SWP29)	46	27-Jun-13	06-Sep-13	90													Sound Wall: Install Posts (SWP29)																											
2.01.64132	Sound Wall: Install Panels (SWP29)	20	15-Aug-13	16-Sep-13	284													Sound Wall: Install Panels (SWP29)																											
2.01.64142	Sound Wall: Final Grading & Cleanup (SWP29)	5	17-Sep-13	23-Sep-13	284													Sound Wall: Final Grading & Cleanup (SWP29)																											
High Occupancy Toll Lanes																																													
Environmental																																													
2.01.65043	Erosion Control Setup: full depth (2.1.HOT)	3	19-Mar-13	21-Mar-13	345													Erosion Control Setup: full depth (2.1.HOT)																											
Maintenance of Traffic																																													
2.01.45105	Temporary Barrier: GP Inside lanes - full depth (2.1.HOT)	3	14-Mar-13	18-Mar-13	314													Temporary Barrier: GP Inside lanes - full depth (2.1.HOT)																											
2.01.52890	Roadway Ready for Traffic: full depth (2.1.HOT)	0		27-Jun-13	339													Roadway Ready for Traffic: full depth (2.1.HOT)																											

█ Remaining Level of Effort █ Critical Remaining Work
█ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015					
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A					
Traffic & Tolling Management Systems																																															
2.01.60072	Drill Shafts: W. Ph. (2.1.HOT)	16	05-Mar-14	28-Mar-14	0																																					■ Drill Shafts: W. Ph. (2.1.HOT)					
2.01.60092	Install Poles/Gantry Legs & Associated Equip: W. Ph. (2.1.HOT)	11	31-Mar-14	14-Apr-14	0																																					■ Install Poles/Gantry Legs & Associated Equip: W. Ph. (2.1.HOT)					
East Phase																																															
Maintenance of Traffic																																															
2.01.63010	Reroute Traffic to West Side (2.1.HOT)	4	31-Jul-12	03-Aug-12	181																																					■ Reroute Traffic to West Side (2.1.HOT)					
2.01.65083	Temporary Barrier: For HOT East Phase (2.1.HOT)	6	06-Aug-12	13-Aug-12	216																																					■ Temporary Barrier: For HOT East Phase (2.1.HOT)					
2.01.62870	Roadway Ready for Traffic: E. Ph. (2.1.HOT)	0		10-Oct-13	0																																					◆ Roadway Ready for Traffic: E. Ph. (2.1.HOT)					
Earthwork																																															
2.01.62880	Earthwork: E. Ph. - Emergency Access @ St.500 (2.1.HOT)	5	15-Mar-13	21-Mar-13	101																																					■ Earthwork: E. Ph. - Emergency Access @ St.500 (2.1.HOT)					
2.01.63020	Earthwork: E. Ph. - Toll Gantry @ St.569 (2.1.HOT)	5	22-Mar-13	29-Mar-13	101																																					■ Earthwork: E. Ph. - Toll Gantry @ St.569 (2.1.HOT)					
2.01.62960	Earthwork: E. Ph. - Emergency Access @ St.602 (2.1.HOT)	5	01-Apr-13	05-Apr-13	114																																					■ Earthwork: E. Ph. - Emergency Access @ St.602 (2.1.HOT)					
Drainage																																															
2.01.40000	Drainage: E. Ph. (2.1.HOT)	8	19-Oct-12	30-Oct-12	175																																					■ Drainage: E. Ph. (2.1.HOT)					
Roadway																																															
2.01.62890	Subbase: E. Ph. - Emergency Access @ St.500 (2.1.HOT)	1	22-Mar-13	22-Mar-13	124																																					■ Subbase: E. Ph. - Emergency Access @ St.500 (2.1.HOT)					
2.01.62900	Paving Intermediate E. Ph. - Emergency Access @ St.500 (2.1.HOT)	1	25-Mar-13	25-Mar-13	124																																					■ Paving Intermediate E. Ph. - Emergency Access @ St.500 (2.1.HOT)					
2.01.62910	Permanent Barrier: E. Ph. - Emergency Access @ St.500 (2.1.HOT)	3	26-Mar-13	29-Mar-13	124																																					■ Permanent Barrier: E. Ph. - Emergency Access @ St.500 (2.1.HOT)					
2.01.63030	Subbase: E. Ph. - Toll Gantry @ St.569 (2.1.HOT)	1	01-Apr-13	01-Apr-13	101																																					■ Subbase: E. Ph. - Toll Gantry @ St.569 (2.1.HOT)					
2.01.63060	Concrete Pad: E. Ph. - Toll Gantry @ St.569 (2.1.HOT)	4	02-Apr-13	05-Apr-13	110																																					■ Concrete Pad: E. Ph. - Toll Gantry @ St.569 (2.1.HOT)					
2.01.62970	Subbase: E. Ph. - Emergency Access @ St.602 (2.1.HOT)	1	08-Apr-13	08-Apr-13	114																																					■ Subbase: E. Ph. - Emergency Access @ St.602 (2.1.HOT)					
2.01.62980	Paving Intermediate E. Ph. - Emergency Access @ St.602 (2.1.HOT)	1	09-Apr-13	09-Apr-13	114																																					■ Paving Intermediate E. Ph. - Emergency Access @ St.602 (2.1.HOT)					
2.01.62990	Permanent Barrier: E. Ph. - Emergency Access @ St.602 (2.1.HOT)	3	11-Apr-13	15-Apr-13	114																																					■ Permanent Barrier: E. Ph. - Emergency Access @ St.602 (2.1.HOT)					
2.01.63040	Paving Intermediate: E. Ph. - Toll Gantry @ St.569 (2.1.HOT)	4	18-Apr-13	23-Apr-13	108																																					■ Paving Intermediate: E. Ph. - Toll Gantry @ St.569 (2.1.HOT)					
1.01.65162	Guardrail: E. Ph. (2.1.HOT)	10	27-Sep-13	10-Oct-13	0																																					■ Guardrail: E. Ph. (2.1.HOT)					
Lighting																																															
2.01.62830	Roadway Lighting: E. Ph. (2.1.HOT)	3	01-Oct-13	03-Oct-13	5																																					■ Roadway Lighting: E. Ph. (2.1.HOT)					
Traffic & Tolling Management Systems																																															
2.01.60104	Set Tech Shelter @ St.569: E. Ph. (2.1.HOT)	5	11-Apr-13	17-Apr-13	108																																					■ Set Tech Shelter @ St.569: E. Ph. (2.1.HOT)					
2.01.60114	Install Service Panel & Emergency Generator (2.1.HOT)	20	11-Apr-13	09-May-13	246																																					■ Install Service Panel & Emergency Generator (2.1.HOT)					
2.01.60074	Drill Shafts: E. Ph. (2.1.HOT)	20	11-Apr-13	09-May-13	75																																					■ Drill Shafts: E. Ph. (2.1.HOT)					
2.01.60090	Install Poles/Gantry Legs & Associated Equip: E. Ph. (2.1.HOT)	12	09-Sep-13	26-Sep-13	0																																					■ Install Poles/Gantry Legs & Associated Equip: E. Ph. (2.1.HOT)					
No Lane Phase																																															
Environmental																																															
2.01.51330	Swans Creek Restoration: Bonds & Permits	20	12-Jul-12	09-Aug-12	72																																					■ Swans Creek Restoration: Bonds & Permits					
2.01.65143	Swans Creek Restoration: Earthwork	120	10-Aug-12	26-Feb-13	141																																					■ Swans Creek Restoration: Earthwork					
2.01.65153	Swans Creek Restoration: Plantings	40	28-Feb-13	30-Apr-13	141																																					■ Swans Creek Restoration: Plantings					
2.01.65163	Swans Creek Restoration: Maintenance & Monitoring (2013)	10	01-May-13	14-May-13*	141																																					■ Swans Creek Restoration: Maintenance & Monitoring (2013)					
2.01.65183	Swans Creek Restoration: Maintenance & Monitoring (2014)	10	02-Jan-14*	16-Jan-14*	215																																					■ Swans Creek Restoration: Maintenance & Monitoring (2014)					
2.01.65193	Swans Creek Restoration: Maintenance & Monitoring (2015to2017)	10	02-Jan-15*	20-Jan-15	43																																					■ Swans Creek Restoration: Maintenance & Monitoring (2015to2017)					
Utility Relocations																																															
2.00.70220	Design Utility: OH (in ROW 150' Rt) @ St.449+05 (2.1.HOT) - DOMD-6	55	03-Jul-12	19-Sep-12	164																																					■ Design Utility: OH (in ROW 150' Rt) @ St.449+05 (2.1.HOT) - DOMD-6					
2.00.70250	Design Utility: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7	60	03-Jul-12	26-Sep-12	159																																					■ Design Utility: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7					
2.00.70300	PIP Utility: gas main @ St.452+15 (2.1.HOT) - CG-2	5	31-Jul-12	06-Aug-12	449																																					■ PIP Utility: gas main @ St.452+15 (2.1.HOT) - CG-2					
2.00.70310	Design Utility: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8	40	31-Jul-12	25-Sep-12	210																																					■ Design Utility: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8					
2.00.70340	PIP Utility: Telecommunications @ St.500+30 to 1238+00 (2.1.HOT)	5	31-Jul-12	06-Aug-12	449																																					■ PIP Utility: Telecommunications @ St.500+30 to 1238+00 (2.1.HOT)					
2.00.70350	Design Utility: VDOT Telecom @ St.566+20 (2.1.HOT) - VDOT-1	35	31-Jul-12	18-Sep-12	415																																					■ Design Utility: VDOT Telecom @ St.566+20 (2.1.HOT) - VDOT-1					
2.00.70210	PIP utility Complete: gas main @ St.452+15 (2.1.HOT) - CG-2	0		06-Aug-12	449																																					◆ PIP utility Complete: gas main @ St.452+15 (2.1.HOT) - CG-2					
2.00.70010	PIP Utility Complete: Telecommunications @ St.500+30 to 1238+00 (2.1.HOT)	0		06-Aug-12	449																																					◆ PIP Utility Complete: Telecommunications @ St.500+30 to 1238+00 (2.1.HOT)					

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
2.02.64292	Bridge Ready for Traffic (B63)	0		02-Nov-12	483	◆ Bridge Ready for Traffic (B63)																																							
Bridges																																													
2.02.64282	Bridge Finishes: Misc. Repairs (B63)	10	19-Oct-12	02-Nov-12	483	■ Bridge Finishes: Misc. Repairs (B63)																																							
HOT Lanes Neabsco Crk to St. 824+00																																													
GP Northbound																																													
Roadway																																													
2.02.65104	Demo Barrier: GP NB (2.2.HOT)	3	24-Jan-14	28-Jan-14	62	■ Demo Barrier: GP NB (2.2.HOT)																																							
Noise Walls																																													
2.02.60050	Procure Panels (SWP24)	58	08-Feb-13	01-May-13	184	■ Procure Panels (SWP24)																																							
2.02.60060	Procure Panels (SWP35-2)	35	17-Oct-13	09-Dec-13	60	■ Procure Panels (SWP35-2)																																							
2.02.64192	Sound Wall: Place Temp Barrier & Clear - N. of Neabsco Crk (SWP24)	5	20-Nov-13	26-Nov-13	55	■ Sound Wall: Place Temp Barrier & Clear - N. of Neabsco Crk (SWP24)																																							
2.02.60020	Sound Wall: Install Posts - N. of Neabsco Crk (SWP24)	10	02-Dec-13	16-Dec-13	55	■ Sound Wall: Install Posts - N. of Neabsco Crk (SWP24)																																							
2.02.64232	Sound Wall: Place Temp Barrier & Clear (SWP35-2)	5	10-Dec-13	16-Dec-13	55	■ Sound Wall: Place Temp Barrier & Clear (SWP35-2)																																							
2.02.60030	Sound Wall: Install Posts (SWP35-2)	12	17-Dec-13	06-Jan-14	55	■ Sound Wall: Install Posts (SWP35-2)																																							
2.02.64212	Sound Wall: Install Panels - N. of Neabsco Crk (SWP24)	5	17-Dec-13	24-Dec-13	67	■ Sound Wall: Install Panels - N. of Neabsco Crk (SWP24)																																							
2.02.64222	Sound Wall: Final Grading & Cleanup - N. of Neabsco Crk (SWP24)	5	26-Dec-13	02-Jan-14	67	■ Sound Wall: Final Grading & Cleanup - N. of Neabsco Crk (SWP24)																																							
2.02.64252	Sound Wall: Install Panels (SWP35-2)	5	07-Jan-14	13-Jan-14	55	■ Sound Wall: Install Panels (SWP35-2)																																							
2.02.64262	Sound Wall: Final Grading & Cleanup (SWP35-2)	5	14-Jan-14	23-Jan-14	55	■ Sound Wall: Final Grading & Cleanup (SWP35-2)																																							
Traffic & Tolling Management Systems																																													
2.02.60202	Install Poles/Gantry & Associated Equip - NB Ramps (2.2.HOT)	8	14-May-13	24-May-13	236	■ Install Poles/Gantry & Associated Equip - NB Ramps (2.2.HOT)																																							
2.02.60158	Drill Shafts GP NB (2.2.HOT)	10	24-Jan-14	07-Feb-14	55	■ Drill Shafts GP NB (2.2.HOT)																																							
2.02.60167	Drill Shafts (Barrier): GP NB (2.2.HOT)	20	10-Feb-14	13-Mar-14	55	■ Drill Shafts (Barrier): GP NB (2.2.HOT)																																							
2.02.60192	Install GM Signs/Gantry & Associated Equip: GP NB (2.2.HOT)	4	14-Mar-14	19-Mar-14	55	■ Install GM Signs/Gantry & Associated Equip: GP NB (2.2.HOT)																																							
GP Southbound																																													
Environmental																																													
2.02.65073	Erosion Control Setup: SWM Pond 2-1 @ St.691 (2.2.HOT)	3	23-Oct-12	25-Oct-12	176	■ Erosion Control Setup: SWM Pond 2-1 @ St.691 (2.2.HOT)																																							
Maintenance of Traffic																																													
2.02.65113	Temporary Barrier: GP SB Outside for SWM Pond 2-1 (2.2.HOT)	2	19-Oct-12	22-Oct-12	175	■ Temporary Barrier: GP SB Outside for SWM Pond 2-1 (2.2.HOT)																																							
Earthwork																																													
2.02.64272	Clearing, Grubbing & Topsoil Stripping: SWM Pond 2-1 @ St.691 (2.2.HOT)	4	23-Oct-12	26-Oct-12	175	■ Clearing, Grubbing & Topsoil Stripping: SWM Pond 2-1 @ St.691 (2.2.HOT)																																							
2.02.64213	Earthwork: SWM Pond 2-1 @ St.691 (2.2.HOT)	10	29-Oct-12	13-Nov-12	106	■ Earthwork: SWM Pond 2-1 @ St.691 (2.2.HOT)																																							
2.02.64283	Earthwork: Finishes - SWM Pond 2-1 @ St.691 (2.2.HOT)	3	15-Nov-12	15-Mar-13	106	■ Earthwork: Finishes - SWM Pond 2-1 @ St.691 (2.2.HOT)																																							
Roadway																																													
2.02.65133	Demo Barrier: GP SB (2.2.HOT)	3	02-Jan-13	04-Jan-13	295	■ Demo Barrier: GP SB (2.2.HOT)																																							
Traffic & Tolling Management Systems																																													
2.02.60161	Drill Shafts GP SB (2.2.HOT)	12	17-Dec-12	04-Jan-13	295	■ Drill Shafts GP SB (2.2.HOT)																																							
2.02.60166	Drill Shafts (Barrier): GP SB (2.2.HOT)	20	07-Jan-13	07-Feb-13	295	■ Drill Shafts (Barrier): GP SB (2.2.HOT)																																							
2.02.60182	Install Poles/Gantry & Associated Equip: GP SB (2.2.HOT)	9	14-May-13	28-May-13	235	■ Install Poles/Gantry & Associated Equip: GP SB (2.2.HOT)																																							
High Occupancy Toll Lanes																																													
Maintenance of Traffic																																													
2.02.63105	Roadway Ready for Mill & Overlay (2.2.HOT)	0		12-May-14	5	◆ Roadway Ready for Mill & Overlay (2.2.HOT)																																							
Roadway																																													
2.02.62970	Mill & Overlay (2.2.HOT)	18	30-May-14	26-Jun-14	0	■ Mill & Overlay (2.2.HOT)																																							
2.02.65153	Permanent Striping (2.2.HOT)	2	27-Jun-14	30-Jun-14	113	■ Permanent Striping (2.2.HOT)																																							
Traffic & Tolling Management Systems																																													
2.02.60156	Install Ductbank (2.2.HOT)	60	31-Jul-12	01-Nov-12	228	■ Install Ductbank (2.2.HOT)																																							
2.02.60164	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (2.2.HOT)	16	06-Nov-13	05-Dec-13	79	■ Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (2.2.HOT)																																							
2.02.60315	Pull & Term Wires - Service Panel to Tech Shelter (2.2.HOT)	5	12-Dec-13	19-Dec-13	119	■ Pull & Term Wires - Service Panel to Tech Shelter (2.2.HOT)																																							
2.02.60316	Tech Shelter Released to Trans Urban (2.2.HOT)	0		19-Dec-13	119	◆ Tech Shelter Released to Trans Urban (2.2.HOT)																																							
2.02.60174	Pull & Term Wire & Cable (2.2.HOT)	50	21-Feb-14	08-May-14	27	■ Pull & Term Wire & Cable (2.2.HOT)																																							

■ Remaining Level of Effort
 ■ Critical Remaining Work
■ Remaining Work
 ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID, Activity Name, Original Duration, Start, Finish, Total Float, 2012, 2013, 2014, 2015

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
						Simplified representation of Gantt chart content Subbase: E. Ph. - Emergency Access @ St.760 (2.2.HOT) Paving Intermediate E. Ph. - Emergency Access @ St.760 (2.2.HOT) Subbase: E. Ph. - Toll Gantry @ St.650 (2.2.HOT) Concrete Pad: E. Ph. - Toll Gantry @ St.650 (2.2.HOT) Permanent Barrier: E. Ph. - Emergency Access @ St.760 (2.2.HOT) Paving Intermediate: E. Ph. - Toll Gantry @ St.650 (2.2.HOT) Guardrail: E. Ph. (2.2.HOT) Roadway Lighting: E. Ph. (2.2.HOT) Install Service Panel & Emergency Generator @ St.691,741&793 (2.2.HOT) Drill Shafts: E. Ph. (2.2.HOT) Set Tech Shelter @ St.650: E. Ph. (2.2.HOT) Install Poles/Gantry Legs & Associated Equip: E. Ph. (2.2.HOT) Drill Shafts: Canton Hill Rd (2.2.HOT) Drill Shafts: PW Parkway - 19 ea (2.2.HOT) Install Poles/GM Signs: Canton Rd (2.2.HOT) Drill Shafts: Optiz Rd - 4 ea (2.2.HOT) Install Poles/Gantry & Associated Equip - Optiz Rd (2.2.HOT) Install Poles/Gantry & Associated Equip - PW Parkway (2.2.HOT) Design Utility: Telephone @ St.712+05 (2.2.HOT) - VRZ-7 PIP Utility: sanitary sewer in Casing @ St.718+30 (2.2.HOT) - PWCSA-12 Design Utility: Telecommunications in Steel Casing @ St.731+90 (2.2.HOT) - VRZ-8 Design Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2 Design Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5 Design Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11 Design Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2 Design Utility: Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12 Relocation of utility Complete: sanitary sewer in Casing @ St.718+30 (2.2.HOT) PWCSA-13 PIP Utility: water main @ St.717+90 (2.2.HOT) - PWCSA-12 Design Utility: Telephone @ St.798+35 (2.2.HOT) - VRZ-9 Design Utility: OX X-ing @ St.687+60 (2.2.HOT) - NOVEC-1 PIP utility Complete: water main @ St.717+90 (2.2.HOT) PWCSA-12 Construct Utility: Telephone @ St.712+05 (2.2.HOT) - VRZ-7 Construct Utility: Telecommunications in Steel Casing @ St.731+90 (2.2.HOT) - VRZ-8 Construct Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2 Construct Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11 Construct Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5 Construct Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2 Construct Utility: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12 Construct Utility: OX X-ing @ St.687+60 (2.2.HOT) - NOVEC-1 Construct Utility: Telephone @ St.798+35 (2.2.HOT) - VRZ-9 Relocation of utility Complete: Telephone @ St.712+05 (2.2.HOT) - VRZ-7 Relocation of utility Complete: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11 Relocation of utility Complete: Telecommunications in Steel Casing @ St.731+90 (2.2.HOT) - VRZ-8																																							
2.02.33090	Subbase: E. Ph. - Emergency Access @ St.760 (2.2.HOT)	3	13-Nov-12	16-Nov-12	127	Subbase: E. Ph. - Emergency Access @ St.760 (2.2.HOT)																																							
2.02.33100	Paving Intermediate E. Ph. - Emergency Access @ St.760 (2.2.HOT)	4	15-Mar-13	20-Mar-13	127	Paving Intermediate E. Ph. - Emergency Access @ St.760 (2.2.HOT)																																							
2.02.63080	Subbase: E. Ph. - Toll Gantry @ St.650 (2.2.HOT)	3	15-Mar-13	19-Mar-13	119	Subbase: E. Ph. - Toll Gantry @ St.650 (2.2.HOT)																																							
2.02.63090	Concrete Pad: E. Ph. - Toll Gantry @ St.650 (2.2.HOT)	4	20-Mar-13	25-Mar-13	119	Concrete Pad: E. Ph. - Toll Gantry @ St.650 (2.2.HOT)																																							
2.02.33110	Permanent Barrier: E. Ph. - Emergency Access @ St.760 (2.2.HOT)	3	21-Mar-13	25-Mar-13	127	Permanent Barrier: E. Ph. - Emergency Access @ St.760 (2.2.HOT)																																							
2.02.63100	Paving Intermediate: E. Ph. - Toll Gantry @ St.650 (2.2.HOT)	3	03-Apr-13	05-Apr-13	119	Paving Intermediate: E. Ph. - Toll Gantry @ St.650 (2.2.HOT)																																							
1.01.65182	Guardrail: E. Ph. (2.2.HOT)	17	27-Jun-13	23-Jul-13	51	Guardrail: E. Ph. (2.2.HOT)																																							
Lighting																																													
2.02.63021	Roadway Lighting: E. Ph. (2.2.HOT)	3	27-Jun-13	01-Jul-13	65	Roadway Lighting: E. Ph. (2.2.HOT)																																							
Traffic & Tolling Management Systems																																													
2.02.60303	Install Service Panel & Emergency Generator @ St.691,741&793 (2.2.HOT)	20	17-Dec-12	17-Jan-13	321	Install Service Panel & Emergency Generator @ St.691,741&793 (2.2.HOT)																																							
2.02.60160	Drill Shafts: E. Ph. (2.2.HOT)	40	17-Dec-12	21-Feb-13	87	Drill Shafts: E. Ph. (2.2.HOT)																																							
2.02.60304	Set Tech Shelter @ St.650: E. Ph. (2.2.HOT)	5	26-Mar-13	02-Apr-13	119	Set Tech Shelter @ St.650: E. Ph. (2.2.HOT)																																							
2.02.60168	Install Poles/Gantry Legs & Associated Equip: E. Ph. (2.2.HOT)	27	14-May-13	25-Jun-13	51	Install Poles/Gantry Legs & Associated Equip: E. Ph. (2.2.HOT)																																							
Misc Road																																													
Traffic & Tolling Management Systems																																													
2.02.60163	Drill Shafts: Canton Hill Rd (2.2.HOT)	2	22-Feb-13	25-Feb-13	87	Drill Shafts: Canton Hill Rd (2.2.HOT)																																							
2.02.60157	Drill Shafts: PW Parkway - 19 ea (2.2.HOT)	13	26-Feb-13	18-Mar-13	87	Drill Shafts: PW Parkway - 19 ea (2.2.HOT)																																							
2.02.60173	Install Poles/GM Signs: Canton Rd (2.2.HOT)	2	26-Feb-13	28-Feb-13	292	Install Poles/GM Signs: Canton Rd (2.2.HOT)																																							
2.02.60155	Drill Shafts: Optiz Rd - 4 ea (2.2.HOT)	3	19-Mar-13	21-Mar-13	87	Drill Shafts: Optiz Rd - 4 ea (2.2.HOT)																																							
2.02.60212	Install Poles/Gantry & Associated Equip - Optiz Rd (2.2.HOT)	5	14-May-13	21-May-13	239	Install Poles/Gantry & Associated Equip - Optiz Rd (2.2.HOT)																																							
2.02.60197	Install Poles/Gantry & Associated Equip - PW Parkway (2.2.HOT)	9	14-May-13	28-May-13	235	Install Poles/Gantry & Associated Equip - PW Parkway (2.2.HOT)																																							
No Lane Phase																																													
Utility Relocations																																													
2.00.70540	Design Utility: Telephone @ St.712+05 (2.2.HOT) - VRZ-7	35	03-Jul-12	21-Aug-12	367	Design Utility: Telephone @ St.712+05 (2.2.HOT) - VRZ-7																																							
2.00.70600	PIP Utility: sanitary sewer in Casing @ St.718+30 (2.2.HOT) - PWCSA-12	5	03-Jul-12	10-Jul-12	401	PIP Utility: sanitary sewer in Casing @ St.718+30 (2.2.HOT) - PWCSA-12																																							
2.00.70630	Design Utility: Telecommunications in Steel Casing @ St.731+90 (2.2.HOT) ...	35	03-Jul-12	21-Aug-12	356	Design Utility: Telecommunications in Steel Casing @ St.731+90 (2.2.HOT) - VRZ-8																																							
2.00.70660	Design Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2	40	03-Jul-12	28-Aug-12	362	Design Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2																																							
2.00.70720	Design Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5	50	03-Jul-12	12-Sep-12	341	Design Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5																																							
2.00.70750	Design Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11	40	03-Jul-12	28-Aug-12	357	Design Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11																																							
2.00.70780	Design Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2	50	03-Jul-12	12-Sep-12	341	Design Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2																																							
2.00.70810	Design Utility: Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - D...	50	03-Jul-12	12-Sep-12	341	Design Utility: Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12																																							
2.00.70110	Relocation of utility Complete: sanitary sewer in Casing @ St.718+30 (2.2.H...	0		10-Jul-12	401	Relocation of utility Complete: sanitary sewer in Casing @ St.718+30 (2.2.HOT) PWCSA-13																																							
2.00.70570	PIP Utility: water main @ St.717+90 (2.2.HOT) - PWCSA-12	5	31-Jul-12	06-Aug-12	384	PIP Utility: water main @ St.717+90 (2.2.HOT) - PWCSA-12																																							
2.00.70690	Design Utility: Telephone @ St.798+35 (2.2.HOT) - VRZ-9	45	31-Jul-12	02-Oct-12	327	Design Utility: Telephone @ St.798+35 (2.2.HOT) - VRZ-9																																							
2.00.70890	Design Utility: OX X-ing @ St.687+60 (2.2.HOT) - NOVEC-1	35	31-Jul-12	18-Sep-12	201	Design Utility: OX X-ing @ St.687+60 (2.2.HOT) - NOVEC-1																																							
2.00.70100	PIP utility Complete: water main @ St.717+90 (2.2.HOT) PWCSA-12	0		06-Aug-12	384	PIP utility Complete: water main @ St.717+90 (2.2.HOT) PWCSA-12																																							
2.00.70560	Construct Utility: Telephone @ St.712+05 (2.2.HOT) - VRZ-7	30	13-Sep-12	29-Oct-12	331	Construct Utility: Telephone @ St.712+05 (2.2.HOT) - VRZ-7																																							
2.00.70650	Construct Utility: Telecommunications in Steel Casing @ St.731+90 (2.2.HO...	40	13-Sep-12	15-Nov-12	321	Construct Utility: Telecommunications in Steel Casing @ St.731+90 (2.2.HOT) - VRZ-8																																							
2.00.70680	Construct Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2	30	19-Sep-12	05-Nov-12	327	Construct Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2																																							
2.00.70770	Construct Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11	35	19-Sep-12	13-Nov-12	322	Construct Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11																																							
2.00.70740	Construct Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5	40	04-Oct-12	10-Dec-12	307	Construct Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5																																							
2.00.70800	Construct Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2	40	04-Oct-12	10-Dec-12	307	Construct Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2																																							
2.00.70830	Construct Utility: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12	40	04-Oct-12	10-Dec-12	307	Construct Utility: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12																																							
2.00.70910	Construct Utility: OX X-ing @ St.687+60 (2.2.HOT) - NOVEC-1	30	10-Oct-12	29-Nov-12	182	Construct Utility: OX X-ing @ St.687+60 (2.2.HOT) - NOVEC-1																																							
2.00.70710	Construct Utility: Telephone @ St.798+35 (2.2.HOT) - VRZ-9	40	24-Oct-12	31-Dec-12	295	Construct Utility: Telephone @ St.798+35 (2.2.HOT) - VRZ-9																																							
2.00.70090	Relocation of utility Complete: Telephone @ St.712+05 (2.2.HOT) - VRZ-7	0		29-Oct-12	331	Relocation of utility Complete: Telephone @ St.712+05 (2.2.HOT) - VRZ-7																																							
2.00.70150	Relocation of utility Complete: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11	0		13-Nov-12	322	Relocation of utility Complete: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11																																							
2.00.70120	Relocation of utility Complete: Telecommunications in Steel Casing @ St.73...	0		15-Nov-12	321	Relocation of utility Complete: Telecommunications in Steel Casing @ St.731+90 (2.2.HOT) - VRZ-8																																							

█ Remaining Level of Effort
 █ Critical Remaining Work
█ Remaining Work
 ◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
2.00.70140	Relocation of utility Complete: Cable OH X-ing @ St.800+20 (2.2.HOT) - C...	0		10-Dec-12	307													◆ Relocation of utility Complete: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5																											
2.00.70160	Relocation of utility Complete: Cable OH X-ing @ St.800+80 (2.2.HOT) - C...	0		10-Dec-12	307													◆ Relocation of utility Complete: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2																											
2.00.70170	Relocation of utility Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT)...	0		10-Dec-12	307													◆ Relocation of utility Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12																											
2.00.70500	PIP Utility: water main @ St.671+95 (2.2.HOT) - VDOT-4	5	21-Dec-12	31-Dec-12	295													■ PIP Utility: water main @ St.671+95 (2.2.HOT) - VDOT-4																											
2.00.70930	PIP Utility: water main @ St.761+80 (2.2.HOT) - PWCSA-14	5	28-Dec-12	04-Jan-13	295													■ PIP Utility: water main @ St.761+80 (2.2.HOT) - PWCSA-14																											
2.00.70950	PIP Utility: sanitary sewer @ St.762+05 (2.2.HOT) - PWCSA-15	5	28-Dec-12	04-Jan-13	295													■ PIP Utility: sanitary sewer @ St.762+05 (2.2.HOT) - PWCSA-15																											
2.00.70070	PIP utility Complete: water main @ St.671+95 (2.2.HOT) - VDOT-4	0		31-Dec-12	295													◆ PIP utility Complete: water main @ St.671+95 (2.2.HOT) - VDOT-4																											
2.00.70130	Relocation of utility Complete: Telephone @ St.798+35 (2.2.HOT) - VRZ-9	0		31-Dec-12	295													◆ Relocation of utility Complete: Telephone @ St.798+35 (2.2.HOT) - VRZ-9																											
2.00.70940	PIP utility Complete: water main @ St.761+80 (2.2.HOT) PWCSA-14	0		04-Jan-13	295													◆ PIP utility Complete: water main @ St.761+80 (2.2.HOT) PWCSA-14																											
2.00.70960	PIP utility Complete: sanitary sewer @ St.761+80 (2.2.HOT) PWCSA-15	0		04-Jan-13	295													◆ PIP utility Complete: sanitary sewer @ St.761+80 (2.2.HOT) PWCSA-15																											
Ramp OSH SB to HOT Lanes																																													
High Occupancy Toll Lanes																																													
West Phase																																													
Maintenance of Traffic																																													
2.02.52960	Roadway Ready for Traffic (RpOSH)	0		05-May-14	5																									◆ Roadway Ready for Traffic (RpOSH)															
Demolitions																																													
2.02.52900	Asphalt Demo (RpOSH)	4	29-Oct-13	04-Nov-13	83													■ Asphalt Demo (RpOSH)																											
Earthwork																																													
2.02.52910	Earthwork (RpOSH)	8	05-Nov-13	18-Nov-13	18													■ Earthwork (RpOSH)																											
Drainage																																													
2.02.52920	Drainage (RpOSH)	5	19-Nov-13	25-Nov-13	83													■ Drainage (RpOSH)																											
Roadway																																													
2.02.52930	Subbase (RpOSH)	6	17-Mar-14	24-Mar-14	19													■ Subbase (RpOSH)																											
2.02.52940	Paving (RpOSH)	8	15-Apr-14	25-Apr-14	5													■ Paving (RpOSH)																											
2.02.52950	Permanent Barrier (RpOSH)	5	28-Apr-14	05-May-14	5													■ Permanent Barrier (RpOSH)																											
2.02.65163	Permanent Striping (RpOSH)	1	28-Apr-14	28-Apr-14	9													■ Permanent Striping (RpOSH)																											
Bridge (existing) NB Flyover over I-95 NB (B60b)																																													
GP Northbound																																													
Maintenance of Traffic																																													
2.02.64062	Bridge Ready for Traffic (B60B)	0		09-Nov-12	478													◆ Bridge Ready for Traffic (B60B)																											
Bridges																																													
2.02.50040	Bridge Finishes: Misc. Repairs (B60B)	15	19-Oct-12	09-Nov-12	478													■ Bridge Finishes: Misc. Repairs (B60B)																											
Bridge (existing) SB Flyover over I-95 SB (B60a)																																													
GP Southbound																																													
Maintenance of Traffic																																													
2.02.64072	Bridge Ready for Traffic (B60A)	0		20-Nov-12	473													◆ Bridge Ready for Traffic (B60A)																											
Bridges																																													
2.02.50050	Superstructure: Misc. Repairs (B60A)	20	19-Oct-12	20-Nov-12	385													■ Superstructure: Misc. Repairs (B60A)																											
Ramp PWHN HOT to NB Lanes																																													
High Occupancy Toll Lanes																																													
East Phase																																													
Maintenance of Traffic																																													
2.02.53030	Roadway Ready for Traffic (RpPWHN)	0		06-May-13	100													◆ Roadway Ready for Traffic (RpPWHN)																											
Demolitions																																													
2.02.52970	Asphalt Demo (RpPWHN)	5	23-Aug-12	30-Aug-12	212													■ Asphalt Demo (RpPWHN)																											
Earthwork																																													
2.02.52980	Earthwork (RpPWHN)	12	19-Oct-12	06-Nov-12	113													■ Earthwork (RpPWHN)																											
Drainage																																													
2.02.52990	Drainage (RpPWHN)	5	18-Mar-13	22-Mar-13	106													■ Drainage (RpPWHN)																											
Roadway																																													
2.02.53000	Subbase (RpPWHN)	7	25-Mar-13	03-Apr-13	106													■ Subbase (RpPWHN)																											

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
2.02.53010	Paving (RpPWHN)	12	15-Apr-13	01-May-13	100													█ Paving (RpPWHN)																											
2.02.53020	Permanent Barrier (RpPWHN)	3	02-May-13	06-May-13	100													█ Permanent Barrier (RpPWHN)																											
2.02.65173	Permanent Striping (RpPWHN)	1	02-May-13	02-May-13	102													█ Permanent Striping (RpPWHN)																											
Segment 3S - N. Of Prince William Parkway to Accotink Crk (St.824 to St.1171)																																													
GP Southbound																																													
Environmental																																													
3S.00.40000	Erosion Control Maintenance: Segment 3S	3	05-Apr-13	09-Apr-13	139													█ Erosion Control Maintenance: Segment 3S																											
High Occupancy Toll Lanes																																													
West Phase																																													
Maintenance of Traffic																																													
3S.05.63702	Roadway Ready for Traffic: W. Ph. (Segment 3S)	0		22-Oct-13	19																									◆ Roadway Ready for Traffic: W. Ph. (Segment 3S)															
No Lane Phase																																													
Milestones																																													
0.00.00130	Segment 3S Roadway Complete	0		03-Sep-14	72																																					◆ Segment 3S Roadway Complete			
Design Segment 3 South																																													
No Lane Phase																																													
Design																																													
3S.00.15160	Bridge Design (B52, 52B, 53, 57, 57A & 59)	70	27-Mar-12	03-Jul-12	524	█ Bridge Design (B52, 52B, 53, 57, 57A & 59)																																							
3S.00.15240	Bridge Design: Stage 1 (B54)	30	27-Mar-12	07-May-12	81	█ Bridge Design: Stage 1 (B54)																																							
3S.00.15480	Bridge Design: Stage 1 (B56)	25	27-Mar-12	30-Apr-12	30	█ Bridge Design: Stage 1 (B56)																																							
3S.00.15490	Constructability Review: Stage 1 (B56)	5	01-May-12	07-May-12	136	█ Constructability Review: Stage 1 (B56)																																							
3S.00.15640	Bridge Design: Stage 2 Final (B56)	135	01-May-12	09-Nov-12	30	█ Bridge Design: Stage 2 Final (B56)																																							
3S.00.15250	Constructability Review: Stage 1 (B54)	5	08-May-12	14-May-12	182	█ Constructability Review: Stage 1 (B54)																																							
3S.00.15400	Bridge Design: Stage 2 Final (B54)	130	08-May-12	09-Nov-12	81	█ Bridge Design: Stage 2 Final (B54)																																							
3S.00.15500	Incorp. Constructability Comments: Stage 1 (B56)	5	08-May-12	14-May-12	136	█ Incorp. Constructability Comments: Stage 1 (B56)																																							
3S.00.15260	Incorp. Constructability Comments: Stage 1 (B54)	5	15-May-12	21-May-12	182	█ Incorp. Constructability Comments: Stage 1 (B54)																																							
3S.00.15510	VDOT Final Review: Stage 1 (B56)	21	15-May-12	04-Jun-12	199	█ VDOT Final Review: Stage 1 (B56)																																							
3S.00.15270	VDOT Final Review: Stage 1 (B54)	21	22-May-12	11-Jun-12	269	█ VDOT Final Review: Stage 1 (B54)																																							
3S.00.15520	Comment Resolution: Stage 1 (B56)	7	05-Jun-12	11-Jun-12	199	█ Comment Resolution: Stage 1 (B56)																																							
3S.00.15550	Approved as Final Bridge Design: Stage 1 (B56)	0		11-Jun-12	136	◆ Approved as Final Bridge Design: Stage 1 (B56)																																							
3S.00.15280	Comment Resolution: Stage 1 (B54)	7	12-Jun-12	18-Jun-12	269	█ Comment Resolution: Stage 1 (B54)																																							
3S.00.15310	Approved as Final Bridge Design: Stage 1 (B54)	0		18-Jun-12	182	◆ Approved as Final Bridge Design: Stage 1 (B54)																																							
3S.00.15170	Constructability Review (B52, 52B, 53, 57, 57A & 59)	5	05-Jul-12	11-Jul-12	524	█ Constructability Review (B52, 52B, 53, 57, 57A & 59)																																							
3S.00.15180	Incorp. Constructability Comments (B52, 52B, 53, 57, 57A & 59)	5	12-Jul-12	18-Jul-12	524	█ Incorp. Constructability Comments (B52, 52B, 53, 57, 57A & 59)																																							
3S.00.15190	VDOT Final Review (B52, 52B, 53, 57, 57A & 59)	21	19-Jul-12	08-Aug-12	768	█ VDOT Final Review (B52, 52B, 53, 57, 57A & 59)																																							
3S.00.15200	Comment Resolution (B52, 52B, 53, 57, 57A & 59)	7	09-Aug-12	15-Aug-12	768	█ Comment Resolution (B52, 52B, 53, 57, 57A & 59)																																							
3S.00.15210	VDOT Comment Verification (B52, 52B, 53, 57, 57A & 59)	7	16-Aug-12	22-Aug-12	768	█ VDOT Comment Verification (B52, 52B, 53, 57, 57A & 59)																																							
3S.00.15220	Final Comment Resolution (B52, 52B, 53, 57, 57A & 59)	7	23-Aug-12	29-Aug-12	768	█ Final Comment Resolution (B52, 52B, 53, 57, 57A & 59)																																							
3S.0115400	Roadway Design (Complete Roadway - Seg 3S)	95	23-Aug-12	11-Jan-13	1	█ Roadway Design (Complete Roadway - Seg 3S)																																							
3S.01.15480	Roadway Design (Misc. Roadway - Seg 3S)	115	23-Aug-12	12-Feb-13	20	█ Roadway Design (Misc. Roadway - Seg 3S)																																							
3S.00.15230	AFC Bridge Design (B52, 52B, 53, 57, 57A & 59)	0		29-Aug-12	523	◆ AFC Bridge Design (B52, 52B, 53, 57, 57A & 59)																																							
3S.00.15410	Constructability Review: Stage 2 Final (B54)	5	13-Nov-12	19-Nov-12	81	█ Constructability Review: Stage 2 Final (B54)																																							
3S.00.15650	Constructability Review: Stage 2 Final (B56)	5	13-Nov-12	19-Nov-12	30	█ Constructability Review: Stage 2 Final (B56)																																							
3S.00.15420	Incorp. Constructability Comments: Stage 2 Final (B54)	5	20-Nov-12	28-Nov-12	81	█ Incorp. Constructability Comments: Stage 2 Final (B54)																																							
3S.00.15660	Incorp. Constructability Comments: Stage 2 Final (B56)	5	20-Nov-12	28-Nov-12	30	█ Incorp. Constructability Comments: Stage 2 Final (B56)																																							
3S.00.15430	VDOT Final Review: Stage 2 Final (B54)	21	29-Nov-12	19-Dec-12	120	█ VDOT Final Review: Stage 2 Final (B54)																																							
3S.00.15670	VDOT Final Review: Stage 2 Final (B56)	21	29-Nov-12	19-Dec-12	44	█ VDOT Final Review: Stage 2 Final (B56)																																							
3S.00.15440	Comment Resolution: Stage 2 Final (B54)	7	20-Dec-12	26-Dec-12	120	█ Comment Resolution: Stage 2 Final (B54)																																							
3S.00.15680	Comment Resolution: Stage 2 Final (B56)	7	20-Dec-12	26-Dec-12	44	█ Comment Resolution: Stage 2 Final (B56)																																							

█ Remaining Level of Effort
 █ Critical Remaining Work
█ Remaining Work
 ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
3S.00.70220	PIP Utility: water main @ St.849+40 (3S.1.HOT) - PWSCA-16	5	01-Jul-13	08-Jul-13	107																									PIP Utility: water main @ St.849+40 (3S.1.HOT) - PWSCA-16															
3S.00.70000	PIP utility Complete: water main @ St.849+40 (3S.1.HOT) - PWSCA-16	0		08-Jul-13	107																									PIP utility Complete: water main @ St.849+40 (3S.1.HOT) - PWSCA-16															
Ramp PWSH HOT Lanes																																													
High Occupancy Toll Lanes																																													
Environmental																																													
3S.01.65082	Erosion Control Setup (RpPWSH)	3	18-Mar-13	20-Mar-13	149																									Erosion Control Setup (RpPWSH)															
Maintenance of Traffic																																													
3S.01.65143	Temporary Barrier (RpPWSH)	2	14-Mar-13	15-Mar-13	149																									Temporary Barrier (RpPWSH)															
3S.01.53100	Roadway Ready for Traffic (RpPWSH)	0		17-Apr-13	318																									Roadway Ready for Traffic (RpPWSH)															
Earthwork																																													
3S.01.63170	Earthwork: Toll Gantry @ St.18 (RpPWSH)	5	15-Mar-13	21-Mar-13	190																									Earthwork: Toll Gantry @ St.18 (RpPWSH)															
3S.01.53040	Clearing, Grubbing & Topsoil Stripping (RpPWSH)	5	18-Mar-13	22-Mar-13	149																									Clearing, Grubbing & Topsoil Stripping (RpPWSH)															
3S.01.53050	Earthwork (RpPWSH)	5	25-Mar-13	01-Apr-13	177																									Earthwork (RpPWSH)															
3S.01.63220	Earthwork: Toll Gantry @ St.20 (RpPWSH)	5	18-Apr-13	25-Apr-13	253																									Earthwork: Toll Gantry @ St.20 (RpPWSH)															
Drainage																																													
3S.01.53060	Drainage (RpPWSH)	3	02-Apr-13	04-Apr-13	242																									Drainage (RpPWSH)															
Retaining Walls																																													
3S.01.40000	Retaining Wall Construction: Gravity (RW818-1)	23	15-Mar-13	18-Apr-13	255																									Retaining Wall Construction: Gravity (RW818-1)															
3S.01.60060	Procure Panels: Post & Panel (RW830-1)	27	20-Mar-13	25-Apr-13	351																									Procure Panels: Post & Panel (RW830-1)															
3S.01.40010	Retaining Wall Construction: Post & Panel (RW830-1)	36	26-Apr-13	20-Jun-13	318																									Retaining Wall Construction: Post & Panel (RW830-1)															
Roadway																																													
3S.01.53070	Subbase (RpPWSH)	1	05-Apr-13	05-Apr-13	257																									Subbase (RpPWSH)															
3S.01.53080	Paving (RpPWSH)	2	15-Apr-13	16-Apr-13	219																									Paving (RpPWSH)															
1.01.65212	Guardrail (RpPWSH)	1	17-Apr-13	17-Apr-13	318																									Guardrail (RpPWSH)															
3S.01.65195	Permanent Striping (RpPWSH)	1	17-Apr-13	17-Apr-13	283																									Permanent Striping (RpPWSH)															
3S.01.63180	Subbase: Toll Gantry @ St.18 (RpPWSH)	1	19-Apr-13	19-Apr-13	190																									Subbase: Toll Gantry @ St.18 (RpPWSH)															
3S.01.63190	Concrete Pad: Toll Gantry @ St.18 (RpPWSH)	4	22-Apr-13	26-Apr-13	255																									Concrete Pad: Toll Gantry @ St.18 (RpPWSH)															
3S.01.63200	Paving Intermediate: Toll Gantry @ St.18 (RpPWSH)	2	06-May-13	07-May-13	284																									Paving Intermediate: Toll Gantry @ St.18 (RpPWSH)															
3S.01.63210	Permanent Barrier: Toll Gantry @ St.18 (RpPWSH)	4	08-May-13	13-May-13	367																									Permanent Barrier: Toll Gantry @ St.18 (RpPWSH)															
3S.01.63230	Subbase: Toll Gantry @ St.20 (RpPWSH)	1	21-Jun-13	21-Jun-13	253																									Subbase: Toll Gantry @ St.20 (RpPWSH)															
3S.01.63250	Paving Intermediate: Toll Gantry @ St.20 (RpPWSH)	2	24-Jun-13	25-Jun-13	253																									Paving Intermediate: Toll Gantry @ St.20 (RpPWSH)															
3S.01.63260	Permanent Barrier: Toll Gantry @ St.20 (RpPWSH)	4	27-Jun-13	02-Jul-13	336																									Permanent Barrier: Toll Gantry @ St.20 (RpPWSH)															
Traffic & Tolling Management Systems																																													
3S.01.60325	Drill Shafts (RpPWSH)	15	11-Apr-13	02-May-13	239																									Drill Shafts (RpPWSH)															
2.02.60302	Set Tech Shelter @ Toll Exit Ramp: E. Ph. (RpPWSN)	5	29-Apr-13	03-May-13	255																									Set Tech Shelter @ Toll Exit Ramp: E. Ph. (RpPWSN)															
3S.01.60335	Install Toll Gantries (RpPWSH)	12	03-May-13	21-May-13	239																									Install Toll Gantries (RpPWSH)															
Occoquan Rd to Occoquan River																																													
Bridge (existing) HOT Lanes over Occoquan Rd (B59)																																													
High Occupancy Toll Lanes																																													
Maintenance of Traffic																																													
3S.01.64082	Bridge Ready for Traffic (B59)	0		21-Mar-14	176																									Bridge Ready for Traffic (B59)															
West Phase																																													
Bridges																																													
3S.01.64352	Superstructure: Misc. Repairs - West Ph. (B59)	15	26-Mar-13	17-Apr-13	123																									Superstructure: Misc. Repairs - West Ph. (B59)															
East Phase																																													
Bridges																																													
3S.01.50060	Superstructure: Misc. Repairs - East Ph. (B59)	15	19-Dec-13	21-Mar-14	170																									Superstructure: Misc. Repairs - East Ph. (B59)															
HOT Lanes Occoquan Rd to Occoquan River																																													
GP Northbound																																													
Noise Walls																																													

Remaining Level of Effort
 Critical Remaining Work
 Remaining Work
 Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015											
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A											
						Gantt chart area with activity bars and milestones.																																															
3S.02.60080	Procure Panels (SWP33)	42	24-Jun-13	21-Aug-13	119	Procure Panels (SWP33)																																															
3S.02.64392	Sound Wall: Place Temp Barrier & Clear - Rp NB GP to Gordon Blvd (SWP...	5	22-Aug-13	29-Aug-13	107	Sound Wall: Place Temp Barrier & Clear - Rp NB GP to Gordon Blvd (SWP33)																																															
3S.02.60060	Sound Wall: Install Posts - Rp NB GP to Gordon Blvd (SWP33)	14	30-Aug-13	20-Sep-13	107	Sound Wall: Install Posts - Rp NB GP to Gordon Blvd (SWP33)																																															
3S.02.64412	Sound Wall: Install Panels - Rp NB GP to Gordon Blvd (SWP33)	9	17-Sep-13	30-Sep-13	275	Sound Wall: Install Panels - Rp NB GP to Gordon Blvd (SWP33)																																															
3S.02.64422	Sound Wall: Final Grading & Cleanup - Rp NB GP to Gordon Blvd (SWP33)	5	01-Oct-13	07-Oct-13	275	Sound Wall: Final Grading & Cleanup - Rp NB GP to Gordon Blvd (SWP33)																																															
Traffic & Tolling Management Systems																																																					
3S.02.60494	Install Service Panel & Emergency Generator @ St.902 (3S.2.HOT)	5	11-Apr-13	17-Apr-13	266	Install Service Panel & Emergency Generator @ St.902 (3S.2.HOT)																																															
GP Southbound																																																					
Noise Walls																																																					
3S.02.60090	Procure Panels (SWP34-3)	43	28-Jan-14	28-Mar-14	126	Procure Panels (SWP34-3)																																															
3S.02.64352	Sound Wall: Place Temp Barrier & Clear (SWP34-3)	5	31-Mar-14	04-Apr-14	114	Sound Wall: Place Temp Barrier & Clear (SWP34-3)																																															
3S.02.60070	Sound Wall: Install Posts (SWP34-3)	22	07-Apr-14	08-May-14	114	Sound Wall: Install Posts (SWP34-3)																																															
3S.02.64372	Sound Wall: Install Panels (SWP34-3)	9	05-May-14	16-May-14	135	Sound Wall: Install Panels (SWP34-3)																																															
3S.02.64382	Sound Wall: Final Grading & Cleanup (SWP34-3)	5	19-May-14	23-May-14	135	Sound Wall: Final Grading & Cleanup (SWP34-3)																																															
High Occupancy Toll Lanes																																																					
Maintenance of Traffic																																																					
3S.02.63622	Roadway Ready for Mill & Overlay (3S.2.HOT)	0		22-Apr-14	28	Roadway Ready for Mill & Overlay (3S.2.HOT)																																															
Roadway																																																					
3S.02.63130	Mill & Overlay (3S.2.HOT)	4	14-Jul-14	18-Jul-14	0	Mill & Overlay (3S.2.HOT)																																															
3S.02.65193	Permanent Striping (3S.2.HOT)	1	21-Jul-14	21-Jul-14	100	Permanent Striping (3S.2.HOT)																																															
Traffic & Tolling Management Systems																																																					
3S.02.63262	Install Ductbank (3S.2.HOT)	12	11-Apr-13	29-Apr-13	106	Install Ductbank (3S.2.HOT)																																															
3S.02.60495	Pull & Term Wires - Service Panel (3S.2.HOT)	5	18-Apr-13	25-Apr-13	266	Pull & Term Wires - Service Panel (3S.2.HOT)																																															
3S.02.63270	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3S.2.HOT)	21	10-Mar-14	09-Apr-14	27	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3S.2.HOT)																																															
3S.02.63278	Install Gantry Cross Member w/Associated Equip & Signs (3S.2.HOT)	10	20-Mar-14	03-Apr-14	45	Install Gantry Cross Member w/Associated Equip & Signs (3S.2.HOT)																																															
3S.02.63280	Pull & Term Wire & Cable (3S.2.HOT)	30	25-Mar-14	08-May-14	27	Pull & Term Wire & Cable (3S.2.HOT)																																															
3S.02.65213	Instal Access Gates (3S.2.HOT)	5	23-Apr-14	29-Apr-14	28	Instal Access Gates (3S.2.HOT)																																															
3S.02.63282	Construction Testing (3S.2.HOT)	10	02-May-14	16-May-14	27	Construction Testing (3S.2.HOT)																																															
3S.02.63284	Tolling/ITS/OH Signs Released to Trans Urban (3S.2.HOT)	0		16-May-14	27	Tolling/ITS/OH Signs Released to Trans Urban (3S.2.HOT)																																															
Landscaping																																																					
3S.02.65203	Topsoil Placement & Landscaping (3S.2.HOT)	10	14-Apr-14	28-Apr-14	152	Topsoil Placement & Landscaping (3S.2.HOT)																																															
West Phase																																																					
Maintenance of Traffic																																																					
3S.02.63060	Reroute Traffic to East Side (3S.2.HOT)	4	14-Mar-13	19-Mar-13	115	Reroute Traffic to East Side (3S.2.HOT)																																															
3S.02.65143	Temporary Barrier: For HOT West Phase (3S.2.HOT)	5	20-Mar-13	26-Mar-13	115	Temporary Barrier: For HOT West Phase (3S.2.HOT)																																															
3S.02.63150	Roadway Ready for Traffic: W. Ph. (3S.2.HOT)	0		26-Sep-13	35	Roadway Ready for Traffic: W. Ph. (3S.2.HOT)																																															
Drainage																																																					
3S.02.63120	Drainage: W. Ph. (3S.2.HOT)	4	24-May-13	31-May-13	101	Drainage: W. Ph. (3S.2.HOT)																																															
Roadway																																																					
3S.02.65141	Demo Barrier: W. Ph. (3S.2.HOT)	3	11-Apr-13	15-Apr-13	106	Demo Barrier: W. Ph. (3S.2.HOT)																																															
3S.02.65173	Permanent Barrier: W. Ph. (3S.2.HOT)	6	24-May-13	04-Jun-13	107	Permanent Barrier: W. Ph. (3S.2.HOT)																																															
1.01.65222	Guardrail: W. Ph. (3S.2.HOT)	2	23-Sep-13	24-Sep-13	36	Guardrail: W. Ph. (3S.2.HOT)																																															
Lighting																																																					
3S.02.63140	Roadway Lighting: W. Ph. (3S.2.HOT)	3	23-Sep-13	26-Sep-13	35	Roadway Lighting: W. Ph. (3S.2.HOT)																																															
Traffic & Tolling Management Systems																																																					
3S.02.63264	Drill Shafts: W. Ph (3S.2.HOT)	3	11-Apr-13	15-Apr-13	106	Drill Shafts: W. Ph (3S.2.HOT)																																															
3S.02.63268	Drill Shafts (Barrier): W. Ph. (3S.2.HOT)	21	23-Apr-13	23-May-13	101	Drill Shafts (Barrier): W. Ph. (3S.2.HOT)																																															
3S.02.63276	Install Poles/Gantry Legs & Associated Equip - W. Ph. (3S.2.HOT)	9	09-Sep-13	20-Sep-13	35	Install Poles/Gantry Legs & Associated Equip - W. Ph. (3S.2.HOT)																																															
East Phase																																																					
Maintenance of Traffic																																																					

Remaining Level of Effort █ Critical Remaining Work
 Remaining Work Milestone ◆

TASK filter: No LOE.

Schedule for I-95 HOT Lanes

Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
High Occupancy Toll Lanes																																													
Maintenance of Traffic																																													
3S.03.63632	Roadway Ready for Mill & Overlay (3S.3.HOT)	0		10-Apr-14	35																									◆ Roadway Ready for Mill & Overlay (3S.3.HOT)															
Roadway																																													
3S.03.63210	Mill & Overlay (3S.3.HOT)	1	21-Jul-14	21-Jul-14	0																																					I Mill & Overlay (3S.3.HOT)			
3S.03.65483	Permanent Striping (3S.3.HOT)	1	22-Jul-14	22-Jul-14	99																																					I Permanent Striping (3S.3.HOT)			
Traffic & Tolling Management Systems																																													
3S.03.63286	Install Ductbank (3S.3.HOT)	8	11-Apr-13	22-Apr-13	170													■ Install Ductbank (3S.3.HOT)																											
3S.03.60610	Tech Shelter Released to Trans Urban (3S.3.HOT)	0		07-May-13	258													◆ Tech Shelter Released to Trans Urban (3S.3.HOT)																											
3S.03.63302	Install Gantry Cross Member w/Associated Equip & Signs (3S.3.HOT)	2	24-Jan-14	27-Jan-14	87																									■ Install Gantry Cross Member w/Associated Equip & Signs (3S.3.HOT)															
3S.03.63294	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3S.3.HOT)	20	27-Jan-14	27-Feb-14	63																									■ Install Cross Bores/Connect Duct Sys To & Complete Sh															
3S.03.63304	Pull & Term Wire & Cable (3S.3.HOT)	20	11-Feb-14	14-Mar-14	63																									■ Pull & Term Wire & Cable (3S.3.HOT)															
3S.03.65503	Instal Access Gates (3S.3.HOT)	5	11-Apr-14	18-Apr-14	35																									■ Instal Access Gates (3S.3.HOT)															
3S.03.63306	Construction Testing (3S.3.HOT)	10	21-Apr-14	05-May-14	35																									■ Construction Testing (3S.3.HOT)															
3S.03.63308	Tolling/ITS/OH Signs Released to Trans Urban (3S.3.HOT)	0		05-May-14	35																									◆ Tolling/ITS/OH Signs Released to Trans Urban															
Landscaping																																													
3S.03.65493	Topsoil Placement & Landscaping (3S.3.HOT)	10	07-Apr-14	21-Apr-14	157																									■ Topsoil Placement & Landscaping (3S.3.HOT)															
West Phase																																													
Maintenance of Traffic																																													
3S.03.63080	Reroute Traffic to East Side (3S.3.HOT)	3	14-Mar-13	18-Mar-13	119													■ Reroute Traffic to East Side (3S.3.HOT)																											
3S.03.65163	Temporary Barrier: For HOT West Phase (3S.3.HOT)	2	19-Mar-13	20-Mar-13	119													I Temporary Barrier: For HOT West Phase (3S.3.HOT)																											
3S.03.63230	Roadway Ready for Traffic: W. Ph. (3S.3.HOT)	0		17-Sep-13	41																									◆ Roadway Ready for Traffic: W. Ph. (3S.3.HOT)															
Earthwork																																													
3S.03.63120	Earthwork: W. Ph. - Emergency Access @ St.942 (3S.3.HOT)	5	21-Mar-13	28-Mar-13	131													■ Earthwork: W. Ph. - Emergency Access @ St.942 (3S.3.HOT)																											
3S.03.63275	Earthwork: W. Ph. - Toll Gantry @ St.946 (3S.3.HOT)	5	29-Mar-13	04-Apr-13	131													■ Earthwork: W. Ph. - Toll Gantry @ St.946 (3S.3.HOT)																											
Drainage																																													
3S.03.63200	Drainage: W. Ph. (3S.3.HOT)	5	08-Apr-13	15-Apr-13	127													■ Drainage: W. Ph. (3S.3.HOT)																											
Roadway																																													
3S.03.63130	Subbase: W. Ph. - Emergency Access @ St.942 (3S.3.HOT)	1	29-Mar-13	29-Mar-13	145													I Subbase: W. Ph. - Emergency Access @ St.942 (3S.3.HOT)																											
3S.03.63140	Paving Intermediate W. Ph. - Emergency Access @ St.942 (3S.3.HOT)	1	01-Apr-13	01-Apr-13	145													I Paving Intermediate W. Ph. - Emergency Access @ St.942 (3S.3.HOT)																											
3S.03.63280	Subbase: W. Ph. - Toll Gantry @ St.946 (3S.3.HOT)	2	05-Apr-13	08-Apr-13	131													■ Subbase: W. Ph. - Toll Gantry @ St.946 (3S.3.HOT)																											
3S.03.63290	Concrete Pad: W. Ph. - Toll Gantry @ St.946 (3S.3.HOT)	4	09-Apr-13	15-Apr-13	131													■ Concrete Pad: W. Ph. - Toll Gantry @ St.946 (3S.3.HOT)																											
3S.03.63150	Permanent Barrier: W. Ph. - Emergency Access @ St.942 (3S.3.HOT)	3	11-Apr-13	15-Apr-13	139													■ Permanent Barrier: W. Ph. - Emergency Access @ St.942 (3S.3.HOT)																											
3S.03.63300	Paving Intermediate: W. Ph. - Toll Gantry @ St.946 (3S.3.HOT)	3	23-Apr-13	26-Apr-13	131													■ Paving Intermediate: W. Ph. - Toll Gantry @ St.946 (3S.3.HOT)																											
3S.03.65193	Permanent Barrier: W. Ph. (3S.3.HOT)	4	23-Apr-13	29-Apr-13	130													■ Permanent Barrier: W. Ph. (3S.3.HOT)																											
1.01.65242	Guardrail: W. Ph. (3S.3.HOT)	1	13-Sep-13	13-Sep-13	43																									I Guardrail: W. Ph. (3S.3.HOT)															
Lighting																																													
3S.03.63220	Roadway Lighting: W. Ph. (3S.3.HOT)	3	13-Sep-13	17-Sep-13	41																									■ Roadway Lighting: W. Ph. (3S.3.HOT)															
Traffic & Tolling Management Systems																																													
3S.03.60602	Set Tech Shelter @ St.946: W. Ph. (3S.3.HOT)	5	16-Apr-13	22-Apr-13	131													■ Set Tech Shelter @ St.946: W. Ph. (3S.3.HOT)																											
3S.03.63288	Drill Shafts: W. Ph. (3S.3.HOT)	3	18-Apr-13	22-Apr-13	101													■ Drill Shafts: W. Ph. (3S.3.HOT)																											
3S.03.60604	Install Service Panel & Emergency Generator @ St.946: W. Ph. (3S.3.HOT)	5	23-Apr-13	30-Apr-13	258													■ Install Service Panel & Emergency Generator @ St.946: W. Ph. (3S.3.HOT)																											
3S.03.60608	Pull & Term Wires - Service Panel to Tech Shelter (3S.3.HOT)	5	01-May-13	07-May-13	258													■ Pull & Term Wires - Service Panel to Tech Shelter (3S.3.HOT)																											
3S.03.63301	Install Poles/Gantry Legs & Associated Equip - W. Ph. (3S.3.HOT)	3	09-Sep-13	12-Sep-13	41																									■ Install Poles/Gantry Legs & Associated Equip - W. Ph. (3S.3.HOT)															
East Phase																																													
Maintenance of Traffic																																													
3S.03.63090	Reroute Traffic to West Side (3S.3.HOT)	3	23-Oct-13	25-Oct-13	38																									I Reroute Traffic to West Side (3S.3.HOT)															
3S.03.65173	Temporary Barrier: For HOT East Phase (3S.3.HOT)	1	28-Oct-13	28-Oct-13	48																									I Temporary Barrier: For HOT East Phase (3S.3.HOT)															
3S.03.63270	Roadway Ready for Traffic: E. Ph. (3S.3.HOT)	0		09-Apr-14	35																									◆ Roadway Ready for Traffic: E. Ph. (3S.3.HOT)															

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Table with columns: Activity ID, Activity Name, Original Duration, Start, Finish, Total Float, and monthly grids for years 2012, 2013, 2014, and 2015. Rows include categories like Drainage, Roadway, Lighting, Traffic & Tolling Management Systems, Utility Relocations, and Bridges.

Legend for activity status: Remaining Level of Effort (blue bar), Critical Remaining Work (red bar), Remaining Work (green bar), Milestone (black diamond).

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015																																																											
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																																																											
3S.04.64342	Substructures: F&P Pier 2 - Footing (B56)	5	16-May-13	22-May-13	0																																																	■	Substructures: F&P Pier 2 - Footing (B56)																																														
3S.04.64332	Substructures: F&P Pier 2 - Column / Collar (B56)	9	23-May-13	06-Jun-13	0																																																	■	Substructures: F&P Pier 2 - Column / Collar (B56)																																														
3S.04.55650	Substructures: F&P Abutment A (B56)	9	07-Jun-13	20-Jun-13	0																																																	■	Substructures: F&P Abutment A (B56)																																														
3S.04.55660	Substructures: F&P Abutment B (B56)	9	21-Jun-13	05-Jul-13	0																																																	■	Substructures: F&P Abutment B (B56)																																														
3S.04.55560	Girder Installation: Span A (B56)	2	23-Jul-13	24-Jul-13	0																																																	■	Girder Installation: Span A (B56)																																														
3S.04.55570	Girder Installation: Span B (B56)	2	25-Jul-13	26-Jul-13	0																																																	■	Girder Installation: Span B (B56)																																														
3S.04.55700	Girder Installation: Span C (B56)	2	29-Jul-13	30-Jul-13	0																																																	■	Girder Installation: Span C (B56)																																														
3S.04.63652	Bridge Painting (B56)	15	18-Sep-13	09-Oct-13	149																																																	■	Bridge Painting (B56)																																														
No Lane Phase																																																																																																					
Bridges																																																																																																					
3S.04.75402	Slope Paving (B56)	10	08-Jul-13	22-Jul-13	0																																																	■	Slope Paving (B56)																																														
3S.04.65272	Superstructure: SIP Forms (B56)	7	01-Aug-13	09-Aug-13	0																																																	■	Superstructure: SIP Forms (B56)																																														
3S.04.65282	Superstructure: Studs (B56)	6	02-Aug-13	09-Aug-13	0																																																	■	Superstructure: Studs (B56)																																														
3S.04.65292	Superstructure: Overhang (B56)	10	02-Aug-13	16-Aug-13	0																																																	■	Superstructure: Overhang (B56)																																														
3S.04.65302	Superstructure: Rebar (B56)	10	09-Aug-13	23-Aug-13	0																																																	■	Superstructure: Rebar (B56)																																														
3S.04.65312	Superstructure: Pour Deck (B56)	5	26-Aug-13	03-Sep-13	0																																																	■	Superstructure: Pour Deck (B56)																																														
3S.04.65322	Superstructure: Deck Cure & Strip (B56)	14	04-Sep-13	17-Sep-13	44																																																	■	Superstructure: Deck Cure & Strip (B56)																																														
3S.04.75422	Approach Slabs (B56)	5	10-Sep-13	17-Sep-13	28																																																	■	Approach Slabs (B56)																																														
3S.04.75442	Bridge Deck Joints (B56)	5	18-Sep-13	24-Sep-13	28																																																	■	Bridge Deck Joints (B56)																																														
3S.04.75452	Bridge Barriers (B56)	5	26-Sep-13	02-Oct-13	28																																																	■	Bridge Barriers (B56)																																														
3S.04.75432	Bridge Drainage & Lighting (B56)	5	03-Oct-13	09-Oct-13	28																																																	■	Bridge Drainage & Lighting (B56)																																														
3S.04.75462	Bridge Deck Grooving (B56)	5	10-Oct-13	18-Oct-13	28																																																	■	Bridge Deck Grooving (B56)																																														
HOT Lanes Furnace Rd to Bridge 54																																																																																																					
GP Southbound																																																																																																					
Environmental																																																																																																					
3S.01.65092	Erosion Control Setup: SWM Pond 3-1 @ St.953 (3S.4.HOT)	3	18-Mar-13	20-Mar-13	129																																																	■	Erosion Control Setup: SWM Pond 3-1 @ St.953 (3S.4.HOT)																																														
Maintenance of Traffic																																																																																																					
3S.04.65123	Temporary Barrier: GP SB Outside for SWM Pond 3-1 (3S.4.HOT)	2	14-Mar-13	15-Mar-13	127																																																	■	Temporary Barrier: GP SB Outside for SWM Pond 3-1 (3S.4.HOT)																																														
Earthwork																																																																																																					
3S.04.64292	Clearing, Grubbing & Topsoil Stripping: SWM Pond 3-1 @ St.953 (3S.4.HOT)	5	18-Mar-13	22-Mar-13	127																																																	■	Clearing, Grubbing & Topsoil Stripping: SWM Pond 3-1 @ St.953 (3S.4.HOT)																																														
3S.04.63682	Earthwork: SWM Pond 3-1 @ St.953 (3S.4.HOT)	6	25-Mar-13	02-Apr-13	127																																																	■	Earthwork: SWM Pond 3-1 @ St.953 (3S.4.HOT)																																														
3S.04.64302	Earthwork: Finishes - SWM Pond 3-1 @ St.953 (3S.4.HOT)	3	03-Apr-13	05-Apr-13	127																																																	■	Earthwork: Finishes - SWM Pond 3-1 @ St.953 (3S.4.HOT)																																														
Traffic & Tolling Management Systems																																																																																																					
3S.04.63314	Drill Shafts GP SB (3S.4.HOT)	2	29-Oct-13	31-Oct-13	109																																																	■	Drill Shafts GP SB (3S.4.HOT)																																														
High Occupancy Toll Lanes																																																																																																					
Maintenance of Traffic																																																																																																					
3S.04.63642	Roadway Ready for Mill & Overlay (3S.4.HOT)	0		03-Apr-14	40																																																	◆	Roadway Ready for Mill & Overlay (3S.4.HOT)																																														
Roadway																																																																																																					
3S.04.63290	Mill & Overlay (3S.4.HOT)	3	22-Jul-14	24-Jul-14	0																																																	■	Mill & Overlay (3S.4.HOT)																																														
3S.04.75502	Permanent Striping (3S.4.HOT)	1	25-Jul-14	25-Jul-14	96																																																	■	Permanent Striping (3S.4.HOT)																																														
Traffic & Tolling Management Systems																																																																																																					
3S.04.63311	Install Ductbank (3S.4.HOT)	8	11-Apr-13	22-Apr-13	154																																																	■	Install Ductbank (3S.4.HOT)																																														
3S.04.60640	Service Panel Released to Trans Urban (3S.4.HOT)	0		02-May-13	261																																																	◆	Service Panel Released to Trans Urban (3S.4.HOT)																																														
3S.04.63318	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3S.4.HOT)	22	18-Nov-13	24-Dec-13	103																																																	■	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns.																																														
3S.04.63328	Pull & Term Wire & Cable (3S.4.HOT)	20	10-Dec-13	09-Jan-14	101																																																	■	Pull & Term Wire & Cable (3S.4.HOT)																																														
3S.04.63326	Install Gantry Cross Member w/Associated Equip & Signs (3S.4.HOT)	10	17-Dec-13	02-Jan-14	101																																																	■	Install Gantry Cross Member w/Associated Equip & Signs (3S.4.HOT)																																														
3S.04.75532	Instal Access Gates (3S.4.HOT)	5	04-Apr-14	10-Apr-14	40																																																	■	Instal Access Gates (3S.4.HOT)																																														
3S.04.63330	Construction Testing (3S.4.HOT)	10	11-Apr-14	25-Apr-14	40																																																	■	Construction Testing (3S.4.HOT)																																														
3S.04.63332	Tolling/ITS/OH Signs Released to Trans Urban (3S.4.HOT)	0		25-Apr-14	40																																																	◆	Tolling/ITS/OH Signs Released to Trans Urban (3S.4.HOT)																																														

■ Remaining Level of Effort
 ■ Critical Remaining Work
■ Remaining Work
 ◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

I-95 HOT Lanes		Baseline Schedule						2012																												2013																												2014																												2015				11-Jul-12 12:56
Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012							2013							2014							2015																																																																					
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A		M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																																																					
Landscaping																																																																																																
3S.04.75522	Topsoil Placement & Landscaping (3S.4.HOT)	15	31-Mar-14	21-Apr-14	157																																																																																											
West Phase																																																																																																
Maintenance of Traffic																																																																																																
3S.04.63100	Reroute Traffic to East Side (3S.4.HOT)	3	14-Mar-13	18-Mar-13	0																																																																																											
3S.04.65183	Temporary Barrier: For HOT West Phase (3S.4.HOT)	3	19-Mar-13	21-Mar-13	0																																																																																											
3S.04.63310	Roadway Ready for Traffic: W. Ph. (3S.4.HOT)	0		19-Sep-13	39																																																																																											
Drainage																																																																																																
3S.04.63280	Drainage: W. Ph. (3S.4.HOT)	5	01-Apr-13	05-Apr-13	127																																																																																											
Roadway																																																																																																
1.01.65262	Guardrail: W. Ph. (3S.4.HOT)	1	17-Sep-13	17-Sep-13	41																																																																																											
Lighting																																																																																																
3S.04.63300	Roadway Lighting: W. Ph. (3S.4.HOT)	3	17-Sep-13	19-Sep-13	39																																																																																											
Traffic & Tolling Management Systems																																																																																																
3S.04.60634	Install Service Panel & Emergency Generator @ St. 946 & 962: W. Ph. (3S....	10	11-Apr-13	25-Apr-13	261																																																																																											
3S.04.63312	Drill Shafts: W. Ph.(3S.4.HOT)	5	11-Apr-13	17-Apr-13	101																																																																																											
3S.04.60638	Pull & Term Wires - Service Panel to Tech Shelter (3S.4.HOT)	5	26-Apr-13	02-May-13	261																																																																																											
3S.04.63324	Install Poles/Gantry Legs & Associated Equip - W. Ph. (3S.4.HOT)	5	09-Sep-13	16-Sep-13	39																																																																																											
East Phase																																																																																																
Maintenance of Traffic																																																																																																
3S.04.63110	Reroute Traffic to West Side (3S.4.HOT)	3	23-Oct-13	25-Oct-13	27																																																																																											
3S.04.65193	Temporary Barrier: For HOT East Phase (3S.4.HOT)	1	28-Oct-13	28-Oct-13	27																																																																																											
3S.04.63350	Roadway Ready for Traffic: E. Ph. (3S.4.HOT)	0		02-Apr-14	40																																																																																											
3S.04.75472	Temporary Barrier: Final Removal (3S.4.HOT)	1	03-Apr-14	03-Apr-14	40																																																																																											
Drainage																																																																																																
3S.04.63320	Drainage: E. Ph. (3S.4.HOT)	5	21-Mar-14	28-Mar-14	23																																																																																											
Roadway																																																																																																
3S.04.65403	Demo Barrier: E. Ph. (3S.4.HOT)	3	29-Oct-13	01-Nov-13	27																																																																																											
3S.04.75492	Permanent Barrier: E. Ph. (3S.4.HOT)	4	11-Dec-13	16-Dec-13	105																																																																																											
1.01.65272	Guardrail: E. Ph. (3S.4.HOT)	1	31-Mar-14	31-Mar-14	42																																																																																											
Lighting																																																																																																
3S.04.63340	Roadway Lighting: E. Ph. (3S.4.HOT)	3	31-Mar-14	02-Apr-14	40																																																																																											
Traffic & Tolling Management Systems																																																																																																
3S.04.63316	Drill Shafts (Barrier): E. Ph. (3S.4.HOT)	21	04-Nov-13	10-Dec-13	27																																																																																											
3S.04.63322	Install Poles/Gantry Legs & Assocaited Equip - E. Ph. (3S.4.HOT)	4	11-Dec-13	16-Dec-13	101																																																																																											
No Lane Phase																																																																																																
Utility Relocations																																																																																																
3S.00.70580	Design Utility: Cable TV @ St.950+05 (3S.4.HOT) - COM-7	35	03-Jul-12	21-Aug-12	105																																																																																											
3S.00.70800	Design Utility: Gas @ 950+20 (3S.4.HOT) - WGL-5	40	03-Jul-12	28-Aug-12	227																																																																																											
3S.00.70860	PIP Utility: 12' DIP @ 950+25 (3S.4.HOT) - FW-3	5	31-Jul-12	06-Aug-12	268																																																																																											
3S.00.70870	PIP utility Complete: 12' DIP @ 950+25 (3S.4.HOT) - FW-3	0		06-Aug-12	268																																																																																											
3S.00.70600	Construct Utility: Cable TV @ St.950+05 (3S.4.HOT) - COM-7	15	13-Sep-12	04-Oct-12	94																																																																																											
3S.00.70780	Construct Utility: Gas @ 950+20 (3S.4.HOT) - WGL-5	35	19-Sep-12	13-Nov-12	206																																																																																											
3S.00.70120	Relocation of utility Complete: Cable TV @ St.950+05 (3S.4.HOT) - COM-7	0		04-Oct-12	94																																																																																											
3S.00.70810	Relocation of utility Complete: Gas @ 950+20 (3S.4.HOT) - WGL-5	0		13-Nov-12	206																																																																																											
Ramp RISH SB Lanes to HOT Lanes																																																																																																
High Occupancy Toll Lanes																																																																																																
West Phase																																																																																																
Environmental																																																																																																
3S.04.65102	Erosion Control Setup (RpRISH)	3	22-Mar-13	26-Mar-13	72																																																																																											

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015																																													
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																																													
Maintenance of Traffic																																																																																							
3S.04.53170	Roadway Ready for Traffic (RpRISH)	0		02-Aug-13	76																									◆ Roadway Ready for Traffic (RpRISH)																																																									
Earthwork																																																																																							
3S.04.53110	Clearing, Grubbing & Topsoil Stripping (RpRISH)	15	22-Mar-13	15-Apr-13	60													■ Clearing, Grubbing & Topsoil Stripping (RpRISH)																																																																					
3S.04.53120	Earthwork (RpRISH)	43	16-Apr-13	20-Jun-13	60													■ Earthwork (RpRISH)																																																																					
Drainage																																																																																							
3S.04.53130	Drainage (RpRISH)	3	21-Jun-13	25-Jun-13	60													■ Drainage (RpRISH)																																																																					
Roadway																																																																																							
3S.04.53140	Subbase (RpRISH)	8	27-Jun-13	09-Jul-13	60													■ Subbase (RpRISH)																																																																					
3S.04.53150	Paving (RpRISH)	12	10-Jul-13	26-Jul-13	60													■ Paving (RpRISH)																																																																					
3S.04.53160	Permanent Barrier (RpRISH)	4	29-Jul-13	02-Aug-13	76													■ Permanent Barrier (RpRISH)																																																																					
3S.04.75512	Permanent Striping (RpRISH)	1	29-Jul-13	29-Jul-13	80													■ Permanent Striping (RpRISH)																																																																					
Bridge 54 to Lorton Rd																																																																																							
No Lane Phase																																																																																							
Utility Relocations																																																																																							
3S.00.70650	VDOT Review Utility Design: Telephone @ St.1055+10 (3S.5.HOT) - ATT-1	21	29-Aug-12	18-Sep-12	622													■ VDOT Review Utility Design: Telephone @ St.1055+10 (3S.5.HOT) - ATT-1																																																																					
3S.00.70620	VDOT Review Utility Design: OH X-ing @ St.967+45 (3S.5.HOT) - DOMD-16	21	06-Sep-12	26-Sep-12	291													■ VDOT Review Utility Design: OH X-ing @ St.967+45 (3S.5.HOT) - DOMD-16																																																																					
3S.00.70930	VDOT Review Utility Design: T/TG Telephone (Parallel) @ St.1086+00 (3S.5.HOT) - VRZ-6	21	26-Sep-12	16-Oct-12	237													■ VDOT Review Utility Design: T/TG Telephone (Parallel) @ St.1086+00 (3S.5.HOT) - VRZ-6																																																																					
3S.00.70970	Construct Utility Complete: T/TG Telephone (Parallel) @ St.1086+00 (3S.5.HOT) - VRZ-6	0		21-Dec-12	144													◆ Construct Utility Complete: T/TG Telephone (Parallel) @ St.1086+00 (3S.5.HOT) - VRZ-6																																																																					
Bridge (existing) HOT Lanes over Ramp I-C - widening (B54)																																																																																							
GP Southbound																																																																																							
Maintenance of Traffic																																																																																							
3S.05.55880	Bridge Ready for Traffic (B54)	0		23-Dec-13	3																									◆ Bridge Ready for Traffic (B54)																																																									
High Occupancy Toll Lanes																																																																																							
Demolitions																																																																																							
3S.05.63682	Demolition: Existing Barrier & Overhang (B54)	15	08-Apr-13	30-Apr-13	32													■ Demolition: Existing Barrier & Overhang (B54)																																																																					
Bridges																																																																																							
3S.05.55710	Procurement Girders (Steel): HOT Lanes over Ramp C (B54)	150	10-Jan-13	08-Jun-13	120													■ Procurement Girders (Steel): HOT Lanes over Ramp C (B54)																																																																					
3S.05.64562	Procurement Piling: HOT Lanes over Ramp C (B54)	75	16-Mar-13	29-May-13	39													■ Procurement Piling: HOT Lanes over Ramp C (B54)																																																																					
3S.05.63692	Shoring: Existing Bridge (B54)	10	13-May-13	28-May-13	24													■ Shoring: Existing Bridge (B54)																																																																					
3S.05.55730	Foundations: Piling - Pier 1 (B54)	4	30-May-13	04-Jun-13	24													■ Foundations: Piling - Pier 1 (B54)																																																																					
3S.05.55740	Foundations: Piling - Abutment A (B54)	5	05-Jun-13	11-Jun-13	28													■ Foundations: Piling - Abutment A (B54)																																																																					
3S.05.55760	Foundations: Piling - Pier 2 (B54)	4	13-Jun-13	18-Jun-13	28													■ Foundations: Piling - Pier 2 (B54)																																																																					
3S.05.55750	Foundations: Piling - Abutment B (B54)	6	19-Jun-13	27-Jun-13	45													■ Foundations: Piling - Abutment B (B54)																																																																					
3S.05.64582	Substructures: F&P Pier 1- Footing (B54)	5	08-Jul-13	12-Jul-13	4													■ Substructures: F&P Pier 1- Footing (B54)																																																																					
3S.05.64572	Substructures: F&P Pier 1 - Column / Collar (B54)	8	15-Jul-13	25-Jul-13	4													■ Substructures: F&P Pier 1 - Column / Collar (B54)																																																																					
3S.05.64602	Substructures: F&P Pier 2 - Footing (B54)	5	26-Jul-13	02-Aug-13	4													■ Substructures: F&P Pier 2 - Footing (B54)																																																																					
3S.05.64592	Substructures: F&P Pier 2 - Column / Collar (B54)	8	05-Aug-13	15-Aug-13	4													■ Substructures: F&P Pier 2 - Column / Collar (B54)																																																																					
3S.05.55780	Substructures: F&P Abutment A (B54)	10	16-Aug-13	30-Aug-13	4													■ Substructures: F&P Abutment A (B54)																																																																					
3S.05.55790	Substructures: F&P Abutment B (B54)	10	03-Sep-13	17-Sep-13	4													■ Substructures: F&P Abutment B (B54)																																																																					
3S.05.55810	Girder Installation: Span A (B54)	2	01-Oct-13	02-Oct-13	4													■ Girder Installation: Span A (B54)																																																																					
3S.05.55820	Girder Installation: Span B (B54)	2	03-Oct-13	04-Oct-13	7													■ Girder Installation: Span B (B54)																																																																					
3S.05.63662	Bridge Painting (B54)	15	01-Apr-14	22-Apr-14	121																									■ Bridge Painting (B54)																																																									
No Lane Phase																																																																																							
Bridges																																																																																							
3S.05.75472	Slope Paving (B54)	8	18-Sep-13	30-Sep-13	4													■ Slope Paving (B54)																																																																					
3S.05.65332	Superstructure: SIP Forms (B54)	5	03-Oct-13	09-Oct-13	4													■ Superstructure: SIP Forms (B54)																																																																					
3S.05.65342	Superstructure: Studs (B54)	5	10-Oct-13	18-Oct-13	4													■ Superstructure: Studs (B54)																																																																					
3S.05.65352	Superstructure: Overhang (B54)	10	17-Oct-13	31-Oct-13	4													■ Superstructure: Overhang (B54)																																																																					

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
3S.05.65362	Superstructure: Rebar (B54)	10	24-Oct-13	07-Nov-13	4																									■ Superstructure: Rebar (B54)															
3S.05.65372	Superstructure: Pour Deck (B54)	5	08-Nov-13	18-Nov-13	4																									■ Superstructure: Pour Deck (B54)															
3S.05.65382	Superstructure: Deck Cure & Strip (B54)	14	19-Nov-13	02-Dec-13	4																									■ Superstructure: Deck Cure & Strip (B54)															
3S.05.75492	Approach Slabs (B54)	5	21-Nov-13	02-Dec-13	3																									■ Approach Slabs (B54)															
3S.05.75512	Bridge Deck Joints (B54)	5	03-Dec-13	10-Dec-13	3																									■ Bridge Deck Joints (B54)															
3S.05.75502	Bridge Drainage & Lighting (B54)	5	03-Dec-13	10-Dec-13	11																									■ Bridge Drainage & Lighting (B54)															
3S.05.75522	Bridge Barriers (B54)	5	11-Dec-13	17-Dec-13	3																									■ Bridge Barriers (B54)															
3S.05.75532	Bridge Deck Grooving (B54)	3	19-Dec-13	23-Dec-13	3																									■ Bridge Deck Grooving (B54)															
HOT Lanes Bridge 54 to Lorton Rd																																													
GP Northbound																																													
Noise Walls																																													
3S.05.60100	Procure Panels (SWP32)	29	05-Aug-13	13-Sep-13	119																									■ Procure Panels (SWP32)															
3S.07.60160	Procure Panels (SWP31-3)	33	06-Aug-13	20-Sep-13	119																									■ Procure Panels (SWP31-3)															
3S.05.64472	Sound Wall: Place Temp Barrier & Clear - NB St.1037to1042 (SWP32)	5	16-Sep-13	20-Sep-13	107																									■ Sound Wall: Place Temp Barrier & Clear - NB St.1037to1042 (SWP32)															
3S.05.60080	Sound Wall: Install Posts - NB St.1037to1042 (SWP32)	5	23-Sep-13	30-Sep-13	107																									■ Sound Wall: Install Posts - NB St.1037to1042 (SWP32)															
3S.05.64512	Sound Wall: Place Temp Barrier & Clear - NB St.1057to1083 (SWP31)	5	23-Sep-13	30-Sep-13	107																									■ Sound Wall: Place Temp Barrier & Clear - NB St.1057to1083 (SWP31)															
3S.05.60130	Sound Wall: Install Posts - NB St.1057to1083 (SWP31)	8	01-Oct-13	10-Oct-13	107																									■ Sound Wall: Install Posts - NB St.1057to1083 (SWP31)															
3S.05.64492	Sound Wall: Install Panels - NB St.1037to1042 (SWP32)	2	01-Oct-13	02-Oct-13	117																									■ Sound Wall: Install Panels - NB St.1037to1042 (SWP32)															
3S.05.64502	Sound Wall: Final Grading & Cleanup - NB St.1037to1042 (SWP32)	5	03-Oct-13	09-Oct-13	117																									■ Sound Wall: Final Grading & Cleanup - NB St.1037to1042 (SWP32)															
3S.05.64532	Sound Wall: Install Panels - NB St.1057to1083 (SWP31)	4	11-Oct-13	18-Oct-13	107																									■ Sound Wall: Install Panels - NB St.1057to1083 (SWP31)															
3S.05.64542	Sound Wall: Final Grading & Cleanup - NB St.1057to1083 (SWP31)	5	21-Oct-13	25-Oct-13	107																									■ Sound Wall: Final Grading & Cleanup - NB St.1057to1083 (SWP31)															
Traffic & Tolling Management Systems																																													
3S.05.60642	Install Service Panel & Emergency Generator @ St.1036 & 1001: GP NB (3...	5	17-May-13	23-May-13	242																									■ Install Service Panel & Emergency Generator @ St.1036 & 1001: GP NB (3S.5.HOT)															
3S.05.60614	Drill Shafts GP NB (3S.5.HOT)	2	28-Oct-13	29-Oct-13	107																									■ Drill Shafts GP NB (3S.5.HOT)															
GP Southbound																																													
Noise Walls																																													
3S.05.60110	Procure Panels (SWP19)	53	14-Nov-13	04-Feb-14	126																									■ Procure Panels (SWP19)															
3S.05.64432	Sound Wall: Place Temp Barrier & Clear (SWP19)	5	05-Feb-14	11-Feb-14	114																									■ Sound Wall: Place Temp Barrier & Clear (SWP19)															
3S.05.60090	Sound Wall: Install Posts (SWP19)	33	13-Feb-14	04-Apr-14	114																									■ Sound Wall: Install Posts (SWP19)															
3S.05.64452	Sound Wall: Install Panels (SWP19)	14	24-Mar-14	11-Apr-14	157																									■ Sound Wall: Install Panels (SWP19)															
3S.05.64462	Sound Wall: Final Grading & Cleanup (SWP19)	5	14-Apr-14	21-Apr-14	157																									■ Sound Wall: Final Grading & Cleanup (SWP19)															
Traffic & Tolling Management Systems																																													
3S.05.60618	Drill Shafts GP SB (3S.5.HOT)	12	07-Jan-14	27-Jan-14	56																									■ Drill Shafts GP SB (3S.5.HOT)															
3S.05.60638	Install Poles/Gantry & Associated Equip: GP SB (3S.5.HOT)	31	28-Jan-14	18-Mar-14	56																									■ Install Poles/Gantry & Associated Equip: GP SB (3S.5.HOT)															
High Occupancy Toll Lanes																																													
Maintenance of Traffic																																													
3S.05.63652	Roadway Ready for Mill & Overlay (3S.5.HOT)	0		29-Apr-14	23																									◆ Roadway Ready for Mill & Overlay (3S.5.HOT)															
Roadway																																													
3S.05.63370	Mill & Overlay (3S.5.HOT)	13	25-Jul-14	14-Aug-14	0																									■ Mill & Overlay (3S.5.HOT)															
3S.05.75582	Permanent Striping (3S.5.HOT)	1	15-Aug-14	15-Aug-14	83																									■ Permanent Striping (3S.5.HOT)															
Traffic & Tolling Management Systems																																													
3S.05.60610	Install Ductbank (3S.5.HOT)	35	11-Apr-13	04-Jun-13	82																									■ Install Ductbank (3S.5.HOT)															
3S.05.60644	Pull & Term Wires - Service Panel to Tech Shelter (3S.5.HOT)	5	24-May-13	03-Jun-13	242																									■ Pull & Term Wires - Service Panel to Tech Shelter (3S.5.HOT)															
3S.05.60646	Tech Shelter Released to Trans Urban (3S.5.HOT)	0		03-Jun-13	242																									◆ Tech Shelter Released to Trans Urban (3S.5.HOT)															
3S.05.60622	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3S.5.HOT)	23	21-Mar-14	24-Apr-14	19																									■ Install Cross Bores/Connect Duct Sys To & Comp															
3S.05.60632	Pull & Term Wire & Cable (3S.5.HOT)	30	07-Apr-14	21-May-14	19																									■ Pull & Term Wire & Cable (3S.5.HOT)															
3S.05.60630	Install Gantry Cross Member w/Associated Equip & Signs (3S.5.HOT)	10	22-Apr-14	06-May-14	24																									■ Install Gantry Cross Member w/Associated Equ															
3S.05.75612	Instal Access Gates (3S.5.HOT)	5	01-May-14	07-May-14	23																									■ Instal Access Gates (3S.5.HOT)															
3S.05.60634	Construction Testing (3S.5.HOT)	10	15-May-14	30-May-14	19																									■ Construction Testing (3S.5.HOT)															

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
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Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
3S.07.60730	Service Panel Released to Trans Urban (3S.7.HOT)	0		25-Apr-13	266													◆ Service Panel Released to Trans Urban (3S.7.HOT)																											
3S.07.63416	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3S.7.HOT)	32	18-Jun-13	06-Aug-13	196													■ Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3S.7.HOT)																											
3S.07.63426	Pull & Term Wire & Cable (3S.7.HOT)	20	31-Dec-13	03-Feb-14	88																									■ Pull & Term Wire & Cable (3S.7.HOT)															
3S.07.63424	Install Gantry Cross Member w/Associated Equip & Signs (3S.7.HOT)	6	14-Jan-14	24-Jan-14	88																									■ Install Gantry Cross Member w/Associated Equip & Signs (3S.7.HOT)															
3S.07.65793	Instal Access Gates (3S.7.HOT)	5	04-Feb-14	10-Feb-14	78																									■ Instal Access Gates (3S.7.HOT)															
3S.07.63428	Construction Testing (3S.7.HOT)	10	11-Feb-14	27-Feb-14	78																									■ Construction Testing (3S.7.HOT)															
3S.07.63430	Tolling/ITS/OH Signs Released to Trans Urban (3S.7.HOT)	0		27-Feb-14	78																									◆ Tolling/ITS/OH Signs Released to Trans Urban (3S.7.HOT)															
Landscaping																																													
3S.07.65783	Topsoil Placement & Landscaping (3S.7.HOT)	10	23-Jan-14	06-Feb-14	203																									■ Topsoil Placement & Landscaping (3S.7.HOT)															
West Phase																																													
Maintenance of Traffic																																													
3S.07.63160	Reroute Traffic to East Side (3S.7.HOT)	4	14-Mar-13	19-Mar-13	28													■ Reroute Traffic to East Side (3S.7.HOT)																											
3S.07.65243	Temporary Barrier: For HOT West Phase * (3S.7.HOT)	8	20-Mar-13	01-Apr-13	28													■ Temporary Barrier: For HOT West Phase * (3S.7.HOT)																											
3S.07.63550	Roadway Ready for Traffic: W. Ph. (3S.7.HOT)	0		20-Sep-13	38													◆ Roadway Ready for Traffic: W. Ph. (3S.7.HOT)																											
Drainage																																													
3S.07.63520	Drainage: W. Ph. (3S.7.HOT)	5	10-Jun-13	17-Jun-13	92													■ Drainage: W. Ph. (3S.7.HOT)																											
Roadway																																													
3S.07.65753	Demo Barrier: W. Ph. (3S.7.HOT)	3	11-Apr-13	15-Apr-13	19													■ Demo Barrier: W. Ph. (3S.7.HOT)																											
3S.07.65273	Permanent Barrier: W. Ph. (3S.7.HOT)	20	10-Jun-13	10-Jul-13	84													■ Permanent Barrier: W. Ph. (3S.7.HOT)																											
1.01.65322	Guardrail: W. Ph. (3S.7.HOT)	4	17-Sep-13	20-Sep-13	38													■ Guardrail: W. Ph. (3S.7.HOT)																											
Lighting																																													
3S.07.63540	Roadway Lighting: W. Ph. (3S.7.HOT)	3	17-Sep-13	19-Sep-13	39													■ Roadway Lighting: W. Ph. (3S.7.HOT)																											
Traffic & Tolling Management Systems																																													
3S.07.63414	Drill Shafts (Barrier): W. Ph. (3S.7.HOT)	35	16-Apr-13	07-Jun-13	19													■ Drill Shafts (Barrier): W. Ph. (3S.7.HOT)																											
3S.07.63406	Drill Shafts: W. Ph. (3S.7.HOT)	2	10-Jun-13	11-Jun-13	19													■ Drill Shafts: W. Ph. (3S.7.HOT)																											
3S.07.63422	Install Poles/Gantry Legs & Associated Equip W. Ph. (3S.7.HOT)	5	09-Sep-13	16-Sep-13	38													■ Install Poles/Gantry Legs & Associated Equip W. Ph. (3S.7.HOT)																											
East Phase																																													
Maintenance of Traffic																																													
3S.07.63170	Reroute Traffic to West Side (3S.7.HOT)	4	23-Oct-13	28-Oct-13	19													■ Reroute Traffic to West Side (3S.7.HOT)																											
3S.07.65253	Temporary Barrier: For HOT East Phase (3S.7.HOT)	7	29-Oct-13	07-Nov-13	19													■ Temporary Barrier: For HOT East Phase (3S.7.HOT)																											
3S.07.63590	Roadway Ready for Traffic: E. Ph. (3S.7.HOT)	0		22-Jan-14	78													◆ Roadway Ready for Traffic: E. Ph. (3S.7.HOT)																											
3S.07.65263	Temporary Barrier: Final Removal (3S.7.HOT)	7	23-Jan-14	03-Feb-14	78													■ Temporary Barrier: Final Removal (3S.7.HOT)																											
Drainage																																													
3S.07.63560	Drainage: E. Ph. (3S.7.HOT)	5	03-Jan-14	09-Jan-14	55													■ Drainage: E. Ph. (3S.7.HOT)																											
Roadway																																													
3S.07.65763	Demo Barrier: E. Ph. (3S.7.HOT)	3	08-Nov-13	14-Nov-13	19													■ Demo Barrier: E. Ph. (3S.7.HOT)																											
3S.07.65283	Permanent Barrier: E. Ph. (3S.7.HOT)	11	03-Jan-14	22-Jan-14	78													■ Permanent Barrier: E. Ph. (3S.7.HOT)																											
1.01.65332	Guardrail: E. Ph. (3S.7.HOT)	2	14-Jan-14	16-Jan-14	80													■ Guardrail: E. Ph. (3S.7.HOT)																											
Lighting																																													
3S.07.63580	Roadway Lighting: E. Ph. (3S.7.HOT)	3	14-Jan-14	21-Jan-14	79													■ Roadway Lighting: E. Ph. (3S.7.HOT)																											
Traffic & Tolling Management Systems																																													
3S.07.63418	Drill Shafts (Barrier): E. Ph. (3S.7.HOT)	28	15-Nov-13	02-Jan-14	19													■ Drill Shafts (Barrier): E. Ph. (3S.7.HOT)																											
3S.07.63420	Install Poles/Gantry Legs & Associated Equip E. Ph. (3S.7.HOT)	7	03-Jan-14	13-Jan-14	79													■ Install Poles/Gantry Legs & Associated Equip E. Ph. (3S.7.HOT)																											
No Lane Phase																																													
Utility Relocations																																													
3S.00.70730	PIP Utility: OH X-ing @ St.1147+90 (3S.7.HOT)	5	31-Jul-12	06-Aug-12	250													■ PIP Utility: OH X-ing @ St.1147+90 (3S.7.HOT)																											
3S.00.70210	PIP Utility Complete: OH X-ing @ St.1147+90 (3S.7.HOT)	0		06-Aug-12	250													◆ PIP Utility Complete: OH X-ing @ St.1147+90 (3S.7.HOT)																											

Segment 3N - Accotink Crk to N. Springfield Interchange (St.1171 to St.1440)

High Occupancy Toll Lanes

West Phase

■ Remaining Level of Effort ■ Critical Remaining Work

■ Remaining Work ◆ Milestone

TASK filter: No LOE.

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Schedule for I-95 HOT Lanes

Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012 2013 2014 2015																														
						2012							2013							2014							2015									
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct
Maintenance of Traffic																																				
3N.01.63822	Roadway Ready for Traffic: W. Ph. (Segment 3N)	0		30-Aug-13	0	◆ Roadway Ready for Traffic: W. Ph. (Segment 3N)																														
No Lane Phase																																				
Milestones																																				
0.00.00135	Segment 3N Roadway Complete	0		22-Oct-14	69	◆ Segment 3N Roadway Complete																														
Design Segment 3 North																																				
No Lane Phase																																				
Design																																				
3N.00.15060	Bridge Design: Stage 1 (B47)	50	27-Mar-12	05-Jun-12	80	■ Bridge Design: Stage 1 (B47)																														
3N.00.15040	Bridge Design: Substr, Beams & Walls (B47)	100	27-Mar-12	15-Aug-12	80	■ Bridge Design: Substr, Beams & Walls (B47)																														
3N.00.15160	Bridge Design: Minor Rehab (B32, 43A, 48 & 50)	70	27-Mar-12	03-Jul-12	535	■ Bridge Design: Minor Rehab (B32, 43A, 48 & 50)																														
3N.00.15600	Bridge Design: Stage 1 (B49A)	50	27-Mar-12	05-Jun-12	7	■ Bridge Design: Stage 1 (B49A)																														
3N.00.15680	Bridge Design: Substr, Beams & Walls (B49A)	100	27-Mar-12	15-Aug-12	7	■ Bridge Design: Substr, Beams & Walls (B49A)																														
3N.00.15240	Roadway Design (Misc. Roadway - Seg 3N)	144	27-Mar-12	18-Oct-12	0	■ Roadway Design (Misc. Roadway - Seg 3N)																														
3N.00.15840	Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 3N)	45	27-Mar-12	29-May-12	0	■ Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																														
3N.00.15920	Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 3N)	105	27-Mar-12	22-Aug-12	0	■ Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 3N)																														
3N.00.15850	Constructability Review (C&G, Duct Banks & MOT Ph.1 - Seg 3N)	5	30-May-12	05-Jun-12	94	■ Constructability Review (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																														
3N.00.15070	Constructability Review: Stage 1 (B47)	5	06-Jun-12	12-Jun-12	102	■ Constructability Review: Stage 1 (B47)																														
3N.00.15610	Constructability Review: Stage 1 (B49A)	5	06-Jun-12	12-Jun-12	27	■ Constructability Review: Stage 1 (B49A)																														
3N.00.15860	Incorp. Constructability Comments (C&G, Duct Banks & MOT Ph.1 - Seg 3N)	5	06-Jun-12	12-Jun-12	94	■ Incorp. Constructability Comments (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																														
3N.00.15080	Incorp. Constructability Comments: Stage 1 (B47)	5	13-Jun-12	19-Jun-12	102	■ Incorp. Constructability Comments: Stage 1 (B47)																														
3N.00.15620	Incorp. Constructability Comments: Stage 1 (B49A)	5	13-Jun-12	19-Jun-12	27	■ Incorp. Constructability Comments: Stage 1 (B49A)																														
3N.00.15870	VDOT Final Review (C&G, Duct Banks & MOT Ph.1 - Seg 3N)	21	13-Jun-12	03-Jul-12	135	■ VDOT Final Review (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																														
3N.00.15090	VDOT Final Review: Stage 1 (B47)	21	20-Jun-12	10-Jul-12	148	■ VDOT Final Review: Stage 1 (B47)																														
3N.00.15630	VDOT Final Review: Stage 1 (B49A)	21	20-Jun-12	10-Jul-12	38	■ VDOT Final Review: Stage 1 (B49A)																														
3N.00.15880	Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 3N)	7	04-Jul-12	10-Jul-12	135	■ Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																														
3N.00.15170	Constructability Review: Minor Rehab (B32, 43A, 48 & 50)	5	05-Jul-12	11-Jul-12	535	■ Constructability Review: Minor Rehab (B32, 43A, 48 & 50)																														
3N.00.15000	Comment Resolution: Stage 1 (B47)	7	11-Jul-12	17-Jul-12	148	■ Comment Resolution: Stage 1 (B47)																														
3N.00.15640	Comment Resolution: Stage 1 (B49A)	7	11-Jul-12	17-Jul-12	38	■ Comment Resolution: Stage 1 (B49A)																														
3N.00.15890	VDOTComment Verification (C&G, Duct Banks & MOT Ph.1 - Seg 3N)	7	11-Jul-12	17-Jul-12	135	■ VDOTComment Verification (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																														
3N.00.15180	Incorp. Constructability Comments: Minor Rehab (B32, 43A, 48 & 50)	5	12-Jul-12	18-Jul-12	535	■ Incorp. Constructability Comments: Minor Rehab (B32, 43A, 48 & 50)																														
3N.00.15020	Approved as Final Bridge Design: Stage 1 (B47)	0		17-Jul-12	148	◆ Approved as Final Bridge Design: Stage 1 (B47)																														
3N.00.15670	Approved as Final Bridge Design: Stage 1 (B49A)	0		17-Jul-12	28	◆ Approved as Final Bridge Design: Stage 1 (B49A)																														
3N.00.15900	Final Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 3N)	7	18-Jul-12	24-Jul-12	135	■ Final Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																														
3N.00.15190	VDOT Final Review: Minor Rehab (B32, 43A, 48 & 50)	21	19-Jul-12	08-Aug-12	784	■ VDOT Final Review: Minor Rehab (B32, 43A, 48 & 50)																														
3N.00.15910	AFC Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 3N)	0		24-Jul-12	92	◆ AFC Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																														
3N.00.15200	Comment Resolution: Minor Rehab (B32, 43A, 48 & 50)	7	09-Aug-12	15-Aug-12	784	■ Comment Resolution: Minor Rehab (B32, 43A, 48 & 50)																														
3N.00.15050	Constructability Review: Substr, Beams & Walls (B47)	5	16-Aug-12	22-Aug-12	80	■ Constructability Review: Substr, Beams & Walls (B47)																														
3N.00.15320	Bridge Design: Stage 2 Final (B47)	120	16-Aug-12	12-Feb-13	298	■ Bridge Design: Stage 2 Final (B47)																														
3N.00.15210	VDOTComment Verification: Minor Rehab (B32, 43A, 48 & 50)	7	16-Aug-12	22-Aug-12	784	■ VDOTComment Verification: Minor Rehab (B32, 43A, 48 & 50)																														
3N.00.15690	Constructability Review: Substr, Beams & Walls (B49A)	5	16-Aug-12	22-Aug-12	19	■ Constructability Review: Substr, Beams & Walls (B49A)																														
3N.00.15760	Bridge Design: Stage 2 Final (B49A)	140	16-Aug-12	13-Mar-13	23	■ Bridge Design: Stage 2 Final (B49A)																														
3N.00.15560	Incorp. Constructability Comments: Substr, Beams & Walls (B47)	5	23-Aug-12	29-Aug-12	80	■ Incorp. Constructability Comments: Substr, Beams & Walls (B47)																														
3N.00.15220	Final Comment Resolution: Minor Rehab (B32, 43A, 48 & 50)	7	23-Aug-12	29-Aug-12	784	■ Final Comment Resolution: Minor Rehab (B32, 43A, 48 & 50)																														
3N.00.15700	Incorp. Constructability Comments: Substr, Beams & Walls (B49A)	5	23-Aug-12	29-Aug-12	19	■ Incorp. Constructability Comments: Substr, Beams & Walls (B49A)																														
3N.00.15930	Constructability Review (Roadway, Drainage & MOT Ph.2 - Seg 3N)	5	23-Aug-12	29-Aug-12	106	■ Constructability Review (Roadway, Drainage & MOT Ph.2 - Seg 3N)																														
3N.00.16000	Roadway Design (Sound Walls & MOT Ph.3 - Seg 3N)	55	23-Aug-12	09-Nov-12	357	■ Roadway Design (Sound Walls & MOT Ph.3 - Seg 3N)																														
3N.00.15230	AFC Bridge Design: Minor Rehab (B32, 43A, 48 & 50)	0		29-Aug-12	534	◆ AFC Bridge Design: Minor Rehab (B32, 43A, 48 & 50)																														

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015																																													
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																																													
Utility Relocations																																																																																							
3N.00.70820	VDOT Review Utility Design: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HO...	21	29-Aug-12	18-Sep-12	107	VDOT Review Utility Design: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11																																																																																	
HOT Lanes Acotink Crk to Bridge 32																																																																																							
GP Northbound																																																																																							
Roadway																																																																																							
3N.01.68273	Demo Barrier: GP NB (3N.1.HOT)	3	14-Dec-12	18-Dec-12	240	Demo Barrier: GP NB (3N.1.HOT)																																																																																	
Traffic & Tolling Management Systems																																																																																							
3N.01.63441	Drill Shafts GP NB (3N.1.HOT)	10	14-Dec-12	31-Dec-12	233	Drill Shafts GP NB (3N.1.HOT)																																																																																	
3N.01.60800	Install Service Panel & Emergency Generator @ St.1409,1295,1226: GP N...	5	14-Dec-12	20-Dec-12	337	Install Service Panel & Emergency Generator @ St.1409,1295,1226: GP NB (3N.1.HOT)																																																																																	
3N.01.63471	Drill Shaft (Barrier): GP NB (3N.1.HOT)	22	02-Jan-13	06-Feb-13	233	Drill Shaft (Barrier): GP NB (3N.1.HOT)																																																																																	
3N.01.63466	Install Poles/Gantry & Associated Equip: GP NB (3N.1.HOT)	12	13-May-13	31-May-13	173	Install Poles/Gantry & Associated Equip: GP NB (3N.1.HOT)																																																																																	
GP Southbound																																																																																							
Roadway																																																																																							
3N.01.68283	Demo Barrier: GP SB (3N.1.HOT)	3	19-Sep-13	23-Sep-13	108	Demo Barrier: GP SB (3N.1.HOT)																																																																																	
Noise Walls																																																																																							
3N.01.60010	Procure Panels (SWP17)	63	04-Dec-13	07-Mar-14	134	Procure Panels (SWP17)																																																																																	
3N.01.63832	Sound Wall: Place Temp Barrier & Clear (SWP17)	9	10-Mar-14	21-Mar-14	121	Sound Wall: Place Temp Barrier & Clear (SWP17)																																																																																	
3N.01.60000	Sound Wall: Install Posts (SWP17)	45	24-Mar-14	02-Jun-14	121	Sound Wall: Install Posts (SWP17)																																																																																	
3N.01.63842	Sound Wall: Install Panels (SWP17)	19	09-May-14	09-Jun-14	121	Sound Wall: Install Panels (SWP17)																																																																																	
3N.01.63852	Sound Wall: Final Grading & Cleanup (SWP17)	5	10-Jun-14	17-Jun-14	121	Sound Wall: Final Grading & Cleanup (SWP17)																																																																																	
Traffic & Tolling Management Systems																																																																																							
3N.01.63444	Drill Shafts GP SB (3N.1.HOT)	6	19-Sep-13	27-Sep-13	105	Drill Shafts GP SB (3N.1.HOT)																																																																																	
3N.01.60801	Install Service Panel & Emergency Generator @ St.1233&1189: GP SB (3N...	5	19-Sep-13	26-Sep-13	149	Install Service Panel & Emergency Generator @ St.1233&1189: GP SB (3N.1.HOT)																																																																																	
3N.01.63482	Drill Shafts (Barrier): GP SB (3N.1.HOT)	21	30-Sep-13	31-Oct-13	105	Drill Shafts (Barrier): GP SB (3N.1.HOT)																																																																																	
3N.01.63464	Install Poles/Gantry & Associated Equip: GP SB (3N.1.HOT)	27	01-Nov-13	17-Dec-13	105	Install Poles/Gantry & Associated Equip: GP SB (3N.1.HOT)																																																																																	
High Occupancy Toll Lanes																																																																																							
Maintenance of Traffic																																																																																							
3N.01.63682	Roadway Ready for Mill & Overlay (3N.1.HOT)	0		20-May-14	0	Roadway Ready for Mill & Overlay (3N.1.HOT)																																																																																	
Roadway																																																																																							
3N.01.63610	Mill & Overlay (3N.1.HOT)	30	03-Sep-14	20-Oct-14	0	Mill & Overlay (3N.1.HOT)																																																																																	
3N.01.75702	Permanent Striping (3N.1.HOT)	2	21-Oct-14	22-Oct-14	41	Permanent Striping (3N.1.HOT)																																																																																	
Traffic & Tolling Management Systems																																																																																							
3N.01.63436	Install Ductbank (3N.1.HOT)	35	28-Sep-12	26-Nov-12	57	Install Ductbank (3N.1.HOT)																																																																																	
3N.01.64812	Pull & Term Wire & Cable: Fiber Optics for HOT (3N.1.HOT)	60	08-Jan-13	15-Apr-13	115	Pull & Term Wire & Cable: Fiber Optics for HOT (3N.1.HOT)																																																																																	
3N.01.60811	Pull & Term Wires - Service Panel to Tech Shelter (3N.1.HOT)	20	27-Sep-13	28-Oct-13	149	Pull & Term Wires - Service Panel to Tech Shelter (3N.1.HOT)																																																																																	
3N.01.63448	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3N.1.HOT)	22	27-Sep-13	31-Oct-13	89	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (3N.1.HOT)																																																																																	
3N.01.60813	Tech Shelter Released to Trans Urban (3N.1.HOT)	0		28-Oct-13	149	Tech Shelter Released to Trans Urban (3N.1.HOT)																																																																																	
3N.01.63458	Pull & Term Wire & Cable (3N.1.HOT)	60	19-Feb-14	21-May-14	14	Pull & Term Wire & Cable (3N.1.HOT)																																																																																	
3N.01.63456	Install Gantry Cross Member w/Associated Equip & Signs (3N.1.HOT)	45	06-Mar-14	13-May-14	14	Install Gantry Cross Member w/Associated Equip & Signs (3N.1.HOT)																																																																																	
3N.01.75792	Instal Access Gates (3N.1.HOT)	20	21-May-14	20-Jun-14	0	Instal Access Gates (3N.1.HOT)																																																																																	
3N.01.63461	Construction Testing (3N.1.HOT)	10	16-Jun-14	30-Jun-14	0	Construction Testing (3N.1.HOT)																																																																																	
3N.01.63462	Tolling/ITS/OH Signs Released to Trans Urban (3N.1.HOT)	0		30-Jun-14	0	Tolling/ITS/OH Signs Released to Trans Urban (3N.1.HOT)																																																																																	
Landscaping																																																																																							
3N.01.75782	Topsoil Placement & Landscaping (3N.1.HOT)	25	21-Oct-13	02-Dec-13	243	Topsoil Placement & Landscaping (3N.1.HOT)																																																																																	
West Phase																																																																																							
Maintenance of Traffic																																																																																							
3N.01.63180	Reroute Traffic to East Side (3N.1.HOT)	5	31-Jul-12	06-Aug-12	80	Reroute Traffic to East Side (3N.1.HOT)																																																																																	
3N.01.65263	Temporary Barrier: For HOT West Phase * (3N.1.HOT)	10	07-Aug-12	21-Aug-12	80	Temporary Barrier: For HOT West Phase * (3N.1.HOT)																																																																																	
3N.01.63630	Roadway Ready for Traffic: W. Ph. (3N.1.HOT)	0		30-Aug-13	0	Roadway Ready for Traffic: W. Ph. (3N.1.HOT)																																																																																	
Earthwork																																																																																							

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
3N.00.70960	PIP utility Complete: 24" Gas + 30" Casing @ St.1354+65 (3N.1.HOT) - WG...	0		26-Sep-13	0																									◆ PIP utility Complete: 24" Gas + 30" Casing @ St.1354+65 (3N.1.HOT) - WGL-															
3N.00.70980	PIP utility Complete: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT)...	0		26-Sep-13	0																									◆ PIP utility Complete: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) -															
3N.00.70890	PIP Utility: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WGL-9	5	03-Mar-14	07-Mar-14	121																									■ PIP Utility: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WGL-9															
3N.00.70910	PIP Utility: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - FW-9	5	03-Mar-14	07-Mar-14	121																									■ PIP Utility: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - FW-9															
3N.00.70930	PIP Utility: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2	5	03-Mar-14	07-Mar-14	121																									■ PIP Utility: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2															
3N.00.70950	PIP Utility: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9	5	03-Mar-14	07-Mar-14	121																									■ PIP Utility: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9															
3N.00.70880	PIP utility Complete: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WG...	0		07-Mar-14	121																									◆ PIP utility Complete: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WG...															
3N.00.70900	PIP utility Complete: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - ...	0		07-Mar-14	121																									◆ PIP utility Complete: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - ...															
3N.00.70920	PIP utility Complete: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2	0		07-Mar-14	121																									◆ PIP utility Complete: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2															
3N.00.70940	PIP utility Complete: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9	0		07-Mar-14	121																									◆ PIP utility Complete: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9															
Ramp FXNH NB to HOT Lanes																																													
High Occupancy Toll Lanes																																													
East Phase																																													
Environmental																																													
3N.01.65122	Erosion Control Setup (RpFXNH)	3	19-Sep-13	23-Sep-13	106																									■ Erosion Control Setup (RpFXNH)															
Maintenance of Traffic																																													
3N.01.53310	Roadway Ready for Traffic (RpFXNH)	0		02-May-14	5																									◆ Roadway Ready for Traffic (RpFXNH)															
Earthwork																																													
3N.01.53250	Clearing, Grubbing & Topsoil Stripping (RpFXNH)	7	19-Sep-13	30-Sep-13	102																									■ Clearing, Grubbing & Topsoil Stripping (RpFXNH)															
3N.01.53260	Earthwork (RpFXNH)	12	01-Oct-13	18-Oct-13	37																									■ Earthwork (RpFXNH)															
Drainage																																													
3N.01.53270	Drainage: deep (RpFXNH)	3	01-Oct-13	03-Oct-13	102																									■ Drainage: deep (RpFXNH)															
3N.01.63782	Drainage: shallow (RpFXNH)	3	21-Oct-13	23-Oct-13	102																									■ Drainage: shallow (RpFXNH)															
Roadway																																													
3N.01.65327	Demo Barrier: E. Ph. (RpFXNH)	3	19-Sep-13	23-Sep-13	52																									■ Demo Barrier: E. Ph. (RpFXNH)															
3N.01.53280	Subbase (RpFXNH)	7	24-Oct-13	04-Nov-13	37																									■ Subbase (RpFXNH)															
3N.01.53290	Paving (RpFXNH)	8	15-Apr-14	25-Apr-14	5																									■ Paving (RpFXNH)															
3N.01.53300	Permanent Barrier: (RpFXNH)	4	28-Apr-14	02-May-14	5																									■ Permanent Barrier: (RpFXNH)															
3N.01.75712	Permanent Striping: E. Ph. (RpFXNH)	2	28-Apr-14	29-Apr-14	7																									■ Permanent Striping: E. Ph. (RpFXNH)															
Traffic & Tolling Management Systems																																													
3N.01.63481	Drill Shafts (Barrier): Ramp FXHN/Franconia NB ON (3N.1.HOT)	21	19-Sep-13	22-Oct-13	34																									■ Drill Shafts (Barrier): Ramp FXHN/Franconia NB ON (3N.1.HOT)															
No Lane Phase																																													
Right of Way Acquisitions																																													
3N.01.01020	Prepare Plats: Parcel 25	14	03-Jul-12	23-Jul-12	174																									■ Prepare Plats: Parcel 25															
3N.01.76002	Prepare Plats: Parcel 11	14	03-Jul-12	23-Jul-12	160																									■ Prepare Plats: Parcel 11															
3N.01.01030	Appraisal: Parcel 25	12	24-Jul-12	08-Aug-12	174																									■ Appraisal: Parcel 25															
3N.01.76012	Appraisal: Parcel 11	12	24-Jul-12	08-Aug-12	160																									■ Appraisal: Parcel 11															
3N.01.01040	Review and Approval of Appraisal: Parcel 25	5	09-Aug-12	15-Aug-12	174																									■ Review and Approval of Appraisal: Parcel 25															
3N.01.76022	Review and Approval of Appraisal: Parcel 11	5	09-Aug-12	15-Aug-12	160																									■ Review and Approval of Appraisal: Parcel 11															
3N.01.01050	VDOT Approval of Appraisal: Parcel 25	5	16-Aug-12	22-Aug-12	174																									■ VDOT Approval of Appraisal: Parcel 25															
3N.01.76032	VDOT Approval of Appraisal: Parcel 11	5	16-Aug-12	22-Aug-12	160																									■ VDOT Approval of Appraisal: Parcel 11															
3N.01.01060	Negotiation - First Contact: Parcel 25	7	23-Aug-12	31-Aug-12	174																									■ Negotiation - First Contact: Parcel 25															
3N.01.76042	Negotiation - First Contact: Parcel 11	7	23-Aug-12	31-Aug-12	160																									■ Negotiation - First Contact: Parcel 11															
3N.01.01070	Negotiation - Second Contact: Parcel 25	7	04-Sep-12	12-Sep-12	174																									■ Negotiation - Second Contact: Parcel 25															
3N.01.76052	Negotiation - Second Contact: Parcel 11	7	04-Sep-12	12-Sep-12	160																									■ Negotiation - Second Contact: Parcel 11															
3N.01.01080	Negotiation - Third Contact: Parcel 25	7	13-Sep-12	21-Sep-12	174																									■ Negotiation - Third Contact: Parcel 25															
3N.01.76062	Negotiation - Third Contact: Parcel 11	7	13-Sep-12	21-Sep-12	160																									■ Negotiation - Third Contact: Parcel 11															
3N.01.01090	Option Signed or Refusal: Parcel 25	24	24-Sep-12	26-Oct-12	174																									■ Option Signed or Refusal: Parcel 25															
3N.01.76072	Option Signed or Refusal: Parcel 11	24	24-Sep-12	26-Oct-12	160																									■ Option Signed or Refusal: Parcel 11															

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015																							
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																							
3N.01.76872	Record Certificate: Parcel 17	45	23-Jan-13	27-Mar-13	275													Record Certificate: Parcel 17																																															
3N.01.76982	Record Certificate: Parcel 18	45	23-Jan-13	27-Mar-13	275													Record Certificate: Parcel 18																																															
3N.01.77312	Record Certificate: Parcel 21	45	23-Jan-13	27-Mar-13	288													Record Certificate: Parcel 21																																															
3N.01.75812	Acquire ROW: Parcel 17	0		27-Mar-13	275													◆ Acquire ROW: Parcel 17																																															
3N.01.75822	Acquire ROW: Parcel 01	0		27-Mar-13	288													◆ Acquire ROW: Parcel 01																																															
3N.01.75842	Acquire ROW: Parcel 12	0		27-Mar-13	275													◆ Acquire ROW: Parcel 12																																															
3N.01.75872	Acquire ROW: Parcel 21	0		27-Mar-13	288													◆ Acquire ROW: Parcel 21																																															
3N.01.75862	Acquire ROW: Parcel 16	0		27-Mar-13	275													◆ Acquire ROW: Parcel 16																																															
3N.01.75802	Acquire ROW: Parcel 02	0		25-Apr-13	254													◆ Acquire ROW: Parcel 02																																															
3N.01.75982	Acquire ROW: Parcel 18	0		25-Apr-13	254													◆ Acquire ROW: Parcel 18																																															
Bridge Ramp FXEH over SB Lanes (B49A)																																																																	
GP Southbound																																																																	
Maintenance of Traffic																																																																	
3N.01.51530	Bridge Ready for Traffic (B49a)	0		02-Oct-13	278																									◆ Bridge Ready for Traffic (B49a)																																			
No Lane Phase																																																																	
Bridges																																																																	
3N.01.64712	Procurement Piling: Bridge Rp FXEH over I-95 SB Lanes (B49a)	75	16-Aug-12	29-Oct-12	9	Procurement Piling: Bridge Rp FXEH over I-95 SB Lanes (B49a)																																																											
3N.01.52840	Procurement Girders (Steel): Bridge Rp FXEH over I-95 SB Lanes (B49a)	150	11-Oct-12	09-Mar-13	72	Procurement Girders (Steel): Bridge Rp FXEH over I-95 SB Lanes (B49a)																																																											
3N.01.52800	Foundations: Piling - Abutment A (B49a)	4	30-Oct-12	05-Nov-12	6	Foundations: Piling - Abutment A (B49a)																																																											
3N.01.52810	Foundations: Piling - Abutment B (B49a)	5	06-Nov-12	13-Nov-12	6	Foundations: Piling - Abutment B (B49a)																																																											
3N.01.52820	Foundations: Drilled Shafts - Pier 1 (B49a)	6	15-Nov-12	26-Nov-12	6	Foundations: Drilled Shafts - Pier 1 (B49a)																																																											
3N.01.52830	Foundations: Drilled Shafts - Pier 2 (B49a)	10	27-Nov-12	11-Dec-12	6	Foundations: Drilled Shafts - Pier 2 (B49a)																																																											
3N.01.64832	Substructures: F&P Pier 1 - Footing (B49a)	10	27-Nov-12	11-Dec-12	8	Substructures: F&P Pier 1 - Footing (B49a)																																																											
3N.01.64822	Substructures: F&P Pier 1 - Column (B49a)	10	13-Dec-12	28-Dec-12	8	Substructures: F&P Pier 1 - Column (B49a)																																																											
3N.01.64852	Substructures: F&P Pier 2 - Footing (B49a)	10	31-Dec-12	14-Jan-13	8	Substructures: F&P Pier 2 - Footing (B49a)																																																											
3N.01.64842	Substructures: F&P Pier 2 - Column (B49a)	10	15-Jan-13	01-Feb-13	8	Substructures: F&P Pier 2 - Column (B49a)																																																											
3N.01.52890	Substructures: F&P Abutment A (B49a)	25	04-Feb-13	14-Mar-13	8	Substructures: F&P Abutment A (B49a)																																																											
3N.01.52900	Substructures: F&P Abutment B (B49a)	25	15-Mar-13	22-Apr-13	8	Substructures: F&P Abutment B (B49a)																																																											
3N.01.75542	Slope Paving (B49a)	10	23-Apr-13	07-May-13	8	Slope Paving (B49a)																																																											
3N.01.52910	Girder Installation: Span A (B49a)	5	08-May-13	14-May-13	8	Girder Installation: Span A (B49a)																																																											
3N.01.52870	Girder Installation: Span B (B49a)	3	16-May-13	20-May-13	8	Girder Installation: Span B (B49a)																																																											
3N.01.52920	Girder Installation: Span C (B49a)	5	21-May-13	28-May-13	8	Girder Installation: Span C (B49a)																																																											
3N.01.65392	Superstructure: SIP Forms (B49a)	10	30-May-13	13-Jun-13	8	Superstructure: SIP Forms (B49a)																																																											
3N.01.65402	Superstructure: Studs (B49a)	5	06-Jun-13	13-Jun-13	8	Superstructure: Studs (B49a)																																																											
3N.01.65412	Superstructure: Overhang (B49a)	15	06-Jun-13	28-Jun-13	8	Superstructure: Overhang (B49a)																																																											
3N.01.65422	Superstructure: Rebar (B49a)	15	21-Jun-13	15-Jul-13	8	Superstructure: Rebar (B49a)																																																											
3N.01.65432	Superstructure: Pour Deck (B49a)	10	16-Jul-13	30-Jul-13	8	Superstructure: Pour Deck (B49a)																																																											
3N.01.65442	Superstructure: Deck Cure & Strip (B49a)	14	31-Jul-13	13-Aug-13	413	Superstructure: Deck Cure & Strip (B49a)																																																											
3N.01.75562	Approach Slabs (B49a)	10	01-Aug-13	15-Aug-13	278	Approach Slabs (B49a)																																																											
3N.01.63802	Bridge Painting (B49a)	20	15-Aug-13	16-Sep-13	165	Bridge Painting (B49a)																																																											
3N.01.75582	Bridge Deck Joints (B49a)	10	16-Aug-13	30-Aug-13	278	Bridge Deck Joints (B49a)																																																											
3N.01.75592	Bridge Barriers (B49a)	5	03-Sep-13	09-Sep-13	278	Bridge Barriers (B49a)																																																											
3N.01.75572	Bridge Drainage & Lighting (B49a)	10	10-Sep-13	24-Sep-13	278	Bridge Drainage & Lighting (B49a)																																																											
3N.01.75602	Bridge Deck Grooving (B49a)	5	26-Sep-13	02-Oct-13	278	Bridge Deck Grooving (B49a)																																																											
Bridge HOT Lanes over Accotink Crk (B50)																																																																	
High Occupancy Toll Lanes																																																																	
Maintenance of Traffic																																																																	
3N.01.64672	Bridge Ready for Traffic (B50)	0		10-Oct-13	272																									◆ Bridge Ready for Traffic (B50)																																			
West Phase																																																																	

█ Remaining Level of Effort
 █ Critical Remaining Work
█ Remaining Work
 ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015											
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A											
Bridges																																																					
3N.01.64722	Superstructure: Misc. Repairs - West Ph. (B50)	15	22-Aug-12	14-Sep-12	160													█ Superstructure: Misc. Repairs - West Ph. (B50)																																			
East Phase																																																					
Bridges																																																					
3N.01.5010	Superstructure: Misc. Repairs - East Ph. (B50)	15	19-Sep-13	10-Oct-13	210																									█ Superstructure: Misc. Repairs - East Ph. (B50)																							
Alban Rd																																																					
Ramps																																																					
Maintenance of Traffic																																																					
3N.01.75612	Temporary Barrier (Alban)	2	19-Sep-13	20-Sep-13	148																									Temporary Barrier (Alban)																							
Traffic & Tolling Management Systems																																																					
3N.01.63614	Drill Shafts (Alban)	3	23-Sep-13	26-Sep-13	148																									█ Drill Shafts (Alban)																							
Ramp FSHN HOT lanes to/from Franconia Springfield Pkwy																																																					
High Occupancy Toll Lanes																																																					
East Phase																																																					
Environmental																																																					
3N.01.53390	Asphalt Demo (RpFSHN)	5	19-Sep-13	26-Sep-13	0																									█ Asphalt Demo (RpFSHN)																							
3N.01.65152	Erosion Control Setup (RpFSHN)	3	19-Sep-13	23-Sep-13	2																									█ Erosion Control Setup (RpFSHN)																							
Maintenance of Traffic																																																					
3N.01.63912	Reroute Traffic to West Side (RpFSHN & FSEWH)	4	11-Oct-12	16-Oct-12	76													█ Reroute Traffic to West Side (RpFSHN & FSEWH)																																			
3N.01.75632	Temporary Barrier: East Phase (RpFSHN & FSEWH)	3	18-Oct-12	22-Oct-12	76													█ Temporary Barrier: East Phase (RpFSHN & FSEWH)																																			
3N.01.63922	Reroute Traffic to East Side (RpFSHN & FSEWH)	4	17-May-13	22-May-13	71													█ Reroute Traffic to East Side (RpFSHN & FSEWH)																																			
3N.01.75622	Temporary Barrier: West Phase (RpFSHN & FSEWH)	3	23-May-13	28-May-13	71													█ Temporary Barrier: West Phase (RpFSHN & FSEWH)																																			
3N.01.53450	Roadway Ready for Traffic (RpFSHN)	0		05-May-14	4																									◆ Roadway Ready for Traffic (RpFSHN)																							
Earthwork																																																					
3N.01.53400	Earthwork (RpFSHN)	10	27-Sep-13	10-Oct-13	0																									█ Earthwork (RpFSHN)																							
Drainage																																																					
3N.01.53410	Drainage (RpFSHN)	3	11-Oct-13	17-Oct-13	104																									█ Drainage (RpFSHN)																							
Retaining Walls																																																					
3N.01.53190	Procure Panels: MSE* (RW1345-2)	33	11-Oct-12	29-Nov-12	79													█ Procure Panels: MSE* (RW1345-2)																																			
3N.01.64512	Retaining Wall: Excavation MSE (RW1345-2)	4	30-Oct-12	05-Nov-12	71													█ Retaining Wall: Excavation MSE (RW1345-2)																																			
3N.01.64522	Retaining Wall: Levelling Pad MSE (RW1345-2)	13	06-Nov-12	29-Nov-12	71													█ Retaining Wall: Levelling Pad MSE (RW1345-2)																																			
3N.01.64532	Retaining Wall: Panels & Backfill MSE (RW1345-2)	45	30-Nov-12	12-Feb-13	71													█ Retaining Wall: Panels & Backfill MSE (RW1345-2)																																			
3N.01.64542	Retaining Wall: Moment Slab & Barrier MSE (RW1345-2)	20	14-Feb-13	18-Mar-13	110													█ Retaining Wall: Moment Slab & Barrier MSE (RW1345-2)																																			
3N.01.53180	Procure Panels: MSE* (RW1345-1)	31	04-Sep-13	17-Oct-13	0																									█ Procure Panels: MSE* (RW1345-1)																							
3N.01.64472	Retaining Wall: Excavation MSE (RW1345-1)	3	27-Sep-13	01-Oct-13	0																									█ Retaining Wall: Excavation MSE (RW1345-1)																							
3N.01.64482	Retaining Wall: Levelling Pad MSE (RW1345-1)	10	02-Oct-13	17-Oct-13	0																									█ Retaining Wall: Levelling Pad MSE (RW1345-1)																							
3N.01.64492	Retaining Wall: Panels & Backfill MSE (RW1345-1)	31	18-Oct-13	10-Dec-13	0																									█ Retaining Wall: Panels & Backfill MSE (RW1345-1)																							
3N.01.64502	Retaining Wall: Moment Slab & Barrier MSE (RW1345-1)	16	11-Dec-13	06-Jan-14	57																									█ Retaining Wall: Moment Slab & Barrier MSE (RW1345-1)																							
Roadway																																																					
3N.01.53420	Subbase (RpFSHN)	8	17-Mar-14	27-Mar-14	16																									█ Subbase (RpFSHN)																							
3N.01.53430	Paving (RpFSHN)	12	15-Apr-14	02-May-14	4																									█ Paving (RpFSHN)																							
1.01.65382	Guardrail (RpFSHN)	1	05-May-14	05-May-14	4																									Guardrail (RpFSHN)																							
3N.01.75762	Permanent Striping (RpFSHN)	1	05-May-14	05-May-14	4																									Permanent Striping (RpFSHN)																							
Ramp FSEWH HOT lanes to/from Franconia Springfield Pkwy																																																					
High Occupancy Toll Lanes																																																					
East Phase																																																					
Environmental																																																					
3N.01.53460	Asphalt Demo (RpFSEWH)	5	19-Sep-13	26-Sep-13	30																									█ Asphalt Demo (RpFSEWH)																							
3N.01.65162	Erosion Control Setup (RpFSEWH)	3	19-Sep-13	23-Sep-13	32																									█ Erosion Control Setup (RpFSEWH)																							
Maintenance of Traffic																																																					

█ Remaining Level of Effort	█ Critical Remaining Work
█ Remaining Work	◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015												
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A												
3N.01.53520	Roadway Ready for Traffic (RpFSEWH)	0		09-May-14	0																																																	◆ Roadway Ready for Traffic (RpFSEWH)
Earthwork																																																						
3N.01.53470	Earthwork (RpFSEWH)	10	27-Sep-13	10-Oct-13	30																																																	■ Earthwork (RpFSEWH)
Drainage																																																						
3N.01.53480	Drainage (RpFSEWH)	3	11-Oct-13	17-Oct-13	114																																																	■ Drainage (RpFSEWH)
Retaining Walls																																																						
3N.01.53210	Procure Panels: MSE* (RW1355-2)	32	27-Dec-12	13-Feb-13	78																																																	■ Procure Panels: MSE* (RW1355-2)
3N.01.64592	Retaining Wall: Excavation MSE (RW1355-2)	4	23-Jan-13	28-Jan-13	71																																																	■ Retaining Wall: Excavation MSE (RW1355-2)
3N.01.64602	Retaining Wall: Levelling Pad MSE (RW1355-2)	10	29-Jan-13	12-Feb-13	71																																																	■ Retaining Wall: Levelling Pad MSE (RW1355-2)
3N.01.64612	Retaining Wall: Panels & Backfill MSE (RW1355-2)	42	14-Feb-13	19-Apr-13	71																																																	■ Retaining Wall: Panels & Backfill MSE (RW1355-2)
3N.01.64622	Retaining Wall: Moment Slab & Barrier MSE (RW1355-2)	17	22-Apr-13	16-May-13	71																																																	■ Retaining Wall: Moment Slab & Barrier MSE (RW1355-2)
3N.01.53200	Procure Panels: MSE* (RW1355-1)	36	17-Oct-13	10-Dec-13	0																																																	■ Procure Panels: MSE* (RW1355-1)
3N.01.64552	Retaining Wall: Excavation MSE (RW1355-1)	4	15-Nov-13	20-Nov-13	0																																																	■ Retaining Wall: Excavation MSE (RW1355-1)
3N.01.64562	Retaining Wall: Levelling Pad MSE (RW1355-1)	10	21-Nov-13	10-Dec-13	0																																																	■ Retaining Wall: Levelling Pad MSE (RW1355-1)
3N.01.64572	Retaining Wall: Panels & Backfill MSE (RW1355-1)	61	11-Dec-13	20-Mar-14	0																																																	■ Retaining Wall: Panels & Backfill MSE (RW1355-1)
3N.01.64582	Retaining Wall: Moment Slab & Barrier MSE (RW1355-1)	22	21-Mar-14	23-Apr-14	0																																																	■ Retaining Wall: Moment Slab & Barrier MSE (RW1355-1)
Roadway																																																						
3N.01.53490	Subbase (RpFSEWH)	3	24-Apr-14	28-Apr-14	0																																																	■ Subbase (RpFSEWH)
3N.01.53500	Paving (RpFSEWH)	5	29-Apr-14	06-May-14	0																																																	■ Paving (RpFSEWH)
3N.01.53510	Permanent Barrier (RpFSEWH)	3	07-May-14	09-May-14	0																																																	■ Permanent Barrier (RpFSEWH)
3N.01.75772	Permanent Striping (RpFSEWH)	1	07-May-14	07-May-14	2																																																	■ Permanent Striping (RpFSEWH)
Bridge HOT Flyover I-95 NB Lanes (B48B)																																																						
High Occupancy Toll Lanes																																																						
Maintenance of Traffic																																																						
3N.01.64682	Bridge Ready for Traffic (B48B)	0		21-Sep-12	509																																																	◆ Bridge Ready for Traffic (B48B)
Bridges																																																						
3N.01.63982	Superstructure: Misc. Repairs (B48B)	15	30-Aug-12	21-Sep-12	401																																																	■ Superstructure: Misc. Repairs (B48B)
Bridge Franconia Springfield Parkway over I-95 (B47)																																																						
No Lane Phase																																																						
Maintenance of Traffic																																																						
3N.01.63932	Reroute Traffic: Ph. I (B47)	2	11-Apr-13	12-Apr-13	269																																																	■ Reroute Traffic: Ph. I (B47)
3N.01.75642	Temporary Barrier: Ph. I (B47)	3	15-Apr-13	17-Apr-13	269																																																	■ Temporary Barrier: Ph. I (B47)
3N.01.63952	Reroute Traffic to Center of Bridge (B47)	2	30-Jul-13	01-Aug-13	269																																																	■ Reroute Traffic to Center of Bridge (B47)
3N.01.75652	Temporary Barrier: Ph. II (B47)	2	02-Aug-13	05-Aug-13	269																																																	■ Temporary Barrier: Ph. II (B47)
3N.01.53130	Bridge Ready for Traffic (B47)	0		07-Oct-13	275																																																	◆ Bridge Ready for Traffic (B47)
Bridges																																																						
3N.01.53110	Superstructure: Deck Inlets (B47)	65	18-Apr-13	29-Jul-13	228																																																	■ Superstructure: Deck Inlets (B47)
3N.01.63942	Superstructure: Median Island (B47)	35	18-Apr-13	11-Jun-13	258																																																	■ Superstructure: Median Island (B47)
3N.01.63962	Superstructure: Widen Deck (B47)	40	06-Aug-13	07-Oct-13	228																																																	■ Superstructure: Widen Deck (B47)
3N.01.63972	Superstructure: Rework Barrier (B47)	30	21-Aug-13	07-Oct-13	228																																																	■ Superstructure: Rework Barrier (B47)
Franconia Springfield Parkway																																																						
Misc Road																																																						
Traffic & Tolling Management Systems																																																						
3N.01.63514	Drill Shafts Franconia Springfield Pkwy (3N.1.HOT)	10	08-Jul-13	22-Jul-13	157																																																	■ Drill Shafts Franconia Springfield Pkwy (3N.1.HOT)
3N.01.63601	Install Poles/Gantry & Associated Equip - Franconia Springfield Pkwy	8	23-Jul-13	02-Aug-13	188																																																	■ Install Poles/Gantry & Associated Equip - Franconia Springfield Pkwy
No Lane Phase																																																						
Right of Way Acquisitions																																																						
3N.01.77762	Prepare Plats: Parcel 15	14	03-Jul-12	23-Jul-12	244																																																	■ Prepare Plats: Parcel 15
3N.01.77772	Appraisal: Parcel 15	12	24-Jul-12	08-Aug-12	244																																																	■ Appraisal: Parcel 15
3N.01.77782	Review and Approval of Appraisal: Parcel 15	5	09-Aug-12	15-Aug-12	244																																																	■ Review and Approval of Appraisal: Parcel 15

■ Remaining Level of Effort
 ■ Critical Remaining Work
■ Remaining Work
 ◆ Milestone

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012												2013												2014												2015			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
3N.01.78022	Negotiation - First Contact: Parcel 13	7	23-Aug-12	31-Aug-12	278													■ Negotiation - First Contact: Parcel 13																											
3N.01.78132	Negotiation - First Contact: Parcel 14	7	23-Aug-12	31-Aug-12	278													■ Negotiation - First Contact: Parcel 14																											
3N.01.77922	Negotiation - Second Contact: Parcel 10	7	04-Sep-12	12-Sep-12	278													■ Negotiation - Second Contact: Parcel 10																											
3N.01.78032	Negotiation - Second Contact: Parcel 13	7	04-Sep-12	12-Sep-12	278													■ Negotiation - Second Contact: Parcel 13																											
3N.01.78142	Negotiation - Second Contact: Parcel 14	7	04-Sep-12	12-Sep-12	278													■ Negotiation - Second Contact: Parcel 14																											
3N.01.77932	Negotiation - Third Contact: Parcel 10	7	13-Sep-12	21-Sep-12	278													■ Negotiation - Third Contact: Parcel 10																											
3N.01.78042	Negotiation - Third Contact: Parcel 13	7	13-Sep-12	21-Sep-12	278													■ Negotiation - Third Contact: Parcel 13																											
3N.01.78152	Negotiation - Third Contact: Parcel 14	7	13-Sep-12	21-Sep-12	278													■ Negotiation - Third Contact: Parcel 14																											
3N.01.77942	Option Signed or Refusal: Parcel 10	24	24-Sep-12	26-Oct-12	278													■ Option Signed or Refusal: Parcel 10																											
3N.01.78052	Option Signed or Refusal: Parcel 13	24	24-Sep-12	26-Oct-12	278													■ Option Signed or Refusal: Parcel 13																											
3N.01.78162	Option Signed or Refusal: Parcel 14	24	24-Sep-12	26-Oct-12	278													■ Option Signed or Refusal: Parcel 14																											
3N.01.77952	Contact Leinholder: Parcel 10	10	29-Oct-12	09-Nov-12	278													■ Contact Leinholder: Parcel 10																											
3N.01.78062	Contact Leinholder: Parcel 13	10	29-Oct-12	09-Nov-12	278													■ Contact Leinholder: Parcel 13																											
3N.01.78172	Contact Leinholder: Parcel 14	10	29-Oct-12	09-Nov-12	278													■ Contact Leinholder: Parcel 14																											
3N.01.77962	Obtain Releases: Parcel 10	45	13-Nov-12	22-Jan-13	278													■ Obtain Releases: Parcel 10																											
3N.01.78072	Obtain Releases: Parcel 13	45	13-Nov-12	22-Jan-13	278													■ Obtain Releases: Parcel 13																											
3N.01.78182	Obtain Releases: Parcel 14	45	13-Nov-12	22-Jan-13	278													■ Obtain Releases: Parcel 14																											
3N.01.77972	Record Certificate: Parcel 10	45	23-Jan-13	27-Mar-13	278													■ Record Certificate: Parcel 10																											
3N.01.78082	Record Certificate: Parcel 13	45	23-Jan-13	27-Mar-13	278													■ Record Certificate: Parcel 13																											
3N.01.78192	Record Certificate: Parcel 14	45	23-Jan-13	27-Mar-13	278													■ Record Certificate: Parcel 14																											
3N.01.75952	Acquire ROW: Parcel 14	0		27-Mar-13	278													◆ Acquire ROW: Parcel 14																											
3N.01.75942	Acquire ROW: Parcel 13	0		27-Mar-13	278													◆ Acquire ROW: Parcel 13																											
3N.01.75932	Acquire ROW: Parcel 10	0		27-Mar-13	278													◆ Acquire ROW: Parcel 10																											
Bridge HOT Lanes over Norfolk Southern RR (B32)																																													
High Occupancy Toll Lanes																																													
Maintenance of Traffic																																													
3N.01.64702	Bridge Ready for Traffic (B32)	0		05-Nov-13	257																																					◆ Bridge Ready for Traffic (B32)			
West Phase																																													
Bridges																																													
3N.01.64732	Superstructure: Misc. Repairs - West Ph. (B32)	15	17-Sep-12	09-Oct-12	160													■ Superstructure: Misc. Repairs - West Ph. (B32)																											
East Phase																																													
Bridges																																													
3N.01.53140	Superstructure: Misc. Repairs - East Ph. (B32)	15	11-Oct-13	05-Nov-13	210																									■ Superstructure: Misc. Repairs - East Ph. (B32)															
Segment 4 - N. of Springfield Interchange to North Project Limits (St.1440 to St.1559)																																													
High Occupancy Toll Lanes																																													
West Phase																																													
Maintenance of Traffic																																													
4.01.63815	Roadway Ready for Traffic: W. Ph. (Segment 4)	0		30-Jul-13	59																																					◆ Roadway Ready for Traffic: W. Ph. (Segment 4)			
No Lane Phase																																													
Milestones																																													
0.00.00140	Segment 4 Roadway Complete	0		04-Nov-14	56																																					◆ Segment 4 Roadway Complete			
Design Segment 4																																													
No Lane Phase																																													
Design																																													
4.00.15160	Bridge Design: Stage 1 (B29A)	45	27-Mar-12	29-May-12	11													■ Bridge Design: Stage 1 (B29A)																											
4.00.10240	Roadway Design (Misc Roadway - Seg 4)	144	27-Mar-12	18-Oct-12	63													■ Roadway Design (Misc Roadway - Seg 4)																											
4.00.16080	Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 4)	40	27-Mar-12	21-May-12	54													■ Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 4)																											
4.00.16160	Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 4)	105	27-Mar-12	22-Aug-12	88													■ Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 4)																											
4.00.16090	Constructability Review (C&G, Duct Banks & MOT Ph.1 - Seg 4)	5	22-May-12	29-May-12	54													■ Constructability Review (C&G, Duct Banks & MOT Ph.1 - Seg 4)																											

█ Remaining Level of Effort █ Critical Remaining Work
█ Remaining Work ◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012																																																2013																																																2014																																																2015																																															
						2012												2013												2014												2015																																																																																																																																																											
						J	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																																																																																																																																																											
4.00.15170	Constructability Review: Stage 1 (B29A)	5	30-May-12	05-Jun-12	61	Constructability Review: Stage 1 (B29A)																																																																																																																																																																																															
4.00.15240	Bridge Design: Substr, Beams & Walls (B29A)	80	30-May-12	20-Sep-12	11	Bridge Design: Substr, Beams & Walls (B29A)																																																																																																																																																																																															
4.00.16100	Incorp. Constructability Comments (C&G, Duct Banks & MOT Ph.1 - Seg 4)	5	30-May-12	05-Jun-12	54	Incorp. Constructability Comments (C&G, Duct Banks & MOT Ph.1 - Seg 4)																																																																																																																																																																																															
4.00.15180	Incorp. Constructability Comments: Stage 1 (B29A)	5	06-Jun-12	12-Jun-12	61	Incorp. Constructability Comments: Stage 1 (B29A)																																																																																																																																																																																															
4.00.16110	VDOT Final Review (C&G, Duct Banks & MOT Ph.1 - Seg 4)	21	06-Jun-12	26-Jun-12	77	VDOT Final Review (C&G, Duct Banks & MOT Ph.1 - Seg 4)																																																																																																																																																																																															
4.00.15190	VDOT Final Review: Stage 1 (B29A)	21	13-Jun-12	03-Jul-12	87	VDOT Final Review: Stage 1 (B29A)																																																																																																																																																																																															
4.00.16120	Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 4)	7	27-Jun-12	03-Jul-12	77	Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 4)																																																																																																																																																																																															
4.00.15200	Comment Resolution: Stage 1 (B29A)	7	04-Jul-12	10-Jul-12	87	Comment Resolution: Stage 1 (B29A)																																																																																																																																																																																															
4.00.16130	VDOTComment Verification (C&G, Duct Banks & MOT Ph.1 - Seg 4)	7	04-Jul-12	10-Jul-12	77	VDOTComment Verification (C&G, Duct Banks & MOT Ph.1 - Seg 4)																																																																																																																																																																																															
4.00.15230	Approved as Final Bridge Design: Stage 1 (B29A)	0		10-Jul-12	62	Approved as Final Bridge Design: Stage 1 (B29A)																																																																																																																																																																																															
4.00.16140	Final Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 4)	7	11-Jul-12	17-Jul-12	77	Final Comment Resolution (C&G, Duct Banks & MOT Ph.1 - Seg 4)																																																																																																																																																																																															
4.00.16150	AFC Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 4)	0		17-Jul-12	54	AFC Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 4)																																																																																																																																																																																															
4.00.16170	Constructability Review (Roadway, Drainage & MOT Ph.2 - Seg 4)	5	23-Aug-12	29-Aug-12	88	Constructability Review (Roadway, Drainage & MOT Ph.2 - Seg 4)																																																																																																																																																																																															
4.00.16240	Roadway Design (Sound Walls & MOT Ph.3 - Seg 4)	55	23-Aug-12	09-Nov-12	134	Roadway Design (Sound Walls & MOT Ph.3 - Seg 4)																																																																																																																																																																																															
4.00.16180	Incorp. Constructability Comments (Roadway, Drainage & MOT Ph.2 - Seg 4)	5	30-Aug-12	06-Sep-12	88	Incorp. Constructability Comments (Roadway, Drainage & MOT Ph.2 - Seg 4)																																																																																																																																																																																															
4.00.16190	VDOT Final Review (Roadway, Drainage & MOT Ph.2 - Seg 4)	21	07-Sep-12	27-Sep-12	132	VDOT Final Review (Roadway, Drainage & MOT Ph.2 - Seg 4)																																																																																																																																																																																															
4.00.15250	Constructability Review: Substr, Beams & Walls (B29A)	5	21-Sep-12	27-Sep-12	24	Constructability Review: Substr, Beams & Walls (B29A)																																																																																																																																																																																															
4.00.15320	Bridge Design: Stage 2 Final (B29A)	140	21-Sep-12	17-Apr-13	258	Bridge Design: Stage 2 Final (B29A)																																																																																																																																																																																															
4.00.15260	Incorp. Constructability Comments: Substr, Beams & Walls (B29A)	5	28-Sep-12	04-Oct-12	24	Incorp. Constructability Comments: Substr, Beams & Walls (B29A)																																																																																																																																																																																															
4.00.16200	Comment Resolution (Roadway, Drainage & MOT Ph.2 - Seg 4)	7	28-Sep-12	04-Oct-12	132	Comment Resolution (Roadway, Drainage & MOT Ph.2 - Seg 4)																																																																																																																																																																																															
4.00.15270	VDOT Final Review: Substr, Beams & Walls (B29A)	21	05-Oct-12	25-Oct-12	35	VDOT Final Review: Substr, Beams & Walls (B29A)																																																																																																																																																																																															
4.00.16210	VDOTComment Verification (Roadway, Drainage & MOT Ph.2 - Seg 4)	7	05-Oct-12	11-Oct-12	132	VDOTComment Verification (Roadway, Drainage & MOT Ph.2 - Seg 4)																																																																																																																																																																																															
4.00.16220	Final Comment Resolution (Roadway, Drainage & MOT Ph.2 - Seg 4)	7	12-Oct-12	18-Oct-12	132	Final Comment Resolution (Roadway, Drainage & MOT Ph.2 - Seg 4)																																																																																																																																																																																															
4.00.16230	AFC Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 4)	0		18-Oct-12	86	AFC Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 4)																																																																																																																																																																																															
4.00.10250	Constructability Review (Misc Roadway - Seg 4)	5	19-Oct-12	25-Oct-12	63	Constructability Review (Misc Roadway - Seg 4)																																																																																																																																																																																															
4.00.15280	Comment Resolution: Substr, Beams & Walls (B29A)	7	26-Oct-12	01-Nov-12	35	Comment Resolution: Substr, Beams & Walls (B29A)																																																																																																																																																																																															
4.00.10260	Incorp. Constructability Comments (Misc Roadway - Seg 4)	5	26-Oct-12	01-Nov-12	63	Incorp. Constructability Comments (Misc Roadway - Seg 4)																																																																																																																																																																																															
4.00.15290	VDOTComment Verification: Substr, Beams & Walls (B29A)	7	02-Nov-12	08-Nov-12	35	VDOTComment Verification: Substr, Beams & Walls (B29A)																																																																																																																																																																																															
4.00.10270	VDOT Final Review (Misc Roadway - Seg 4)	21	02-Nov-12	22-Nov-12	98	VDOT Final Review (Misc Roadway - Seg 4)																																																																																																																																																																																															
4.00.15300	Final Comment Resolution: Substr, Beams & Walls (B29A)	7	09-Nov-12	15-Nov-12	35	Final Comment Resolution: Substr, Beams & Walls (B29A)																																																																																																																																																																																															
4.00.16250	Constructability Review (Sound Walls & MOT Ph.3 - Seg 4)	5	13-Nov-12	19-Nov-12	134	Constructability Review (Sound Walls & MOT Ph.3 - Seg 4)																																																																																																																																																																																															
4.00.15310	AFC Bridge Design: Substr, Beams & Walls (B29A)	0		15-Nov-12	23	AFC Bridge Design: Substr, Beams & Walls (B29A)																																																																																																																																																																																															
4.00.16260	Incorp. Constructability Comments (Sound Walls & MOT Ph.3 - Seg 4)	5	20-Nov-12	28-Nov-12	134	Incorp. Constructability Comments (Sound Walls & MOT Ph.3 - Seg 4)																																																																																																																																																																																															
4.00.10280	Comment Resolution (Misc Roadway - Seg 4)	7	23-Nov-12	29-Nov-12	98	Comment Resolution (Misc Roadway - Seg 4)																																																																																																																																																																																															
4.00.16270	VDOT Final Review (Sound Walls & MOT Ph.3 - Seg 4)	21	29-Nov-12	19-Dec-12	196	VDOT Final Review (Sound Walls & MOT Ph.3 - Seg 4)																																																																																																																																																																																															
4.00.10290	VDOTComment Verification (Misc Roadway - Seg 4)	7	30-Nov-12	06-Dec-12	98	VDOTComment Verification (Misc Roadway - Seg 4)																																																																																																																																																																																															
4.00.10300	Final Comment Resolution (Misc Roadway - Seg 4)	7	07-Dec-12	13-Dec-12	98	Final Comment Resolution (Misc Roadway - Seg 4)																																																																																																																																																																																															
4.00.10310	AFC Roadway Design (Misc Roadway - Seg 4)	0		13-Dec-12	65	AFC Roadway Design (Misc Roadway - Seg 4)																																																																																																																																																																																															
4.00.63150	Procurement of Poles, Gantries & Misc.Steel (Segment 4)	150	14-Dec-12	12-May-13	122	Procurement of Poles, Gantries & Misc.Steel (Segment 4)																																																																																																																																																																																															
4.00.63160	Procurement of Roadside Equipment (Segment 4)	120	14-Dec-12	12-Apr-13	152	Procurement of Roadside Equipment (Segment 4)																																																																																																																																																																																															
4.00.16280	Comment Resolution (Sound Walls & MOT Ph.3 - Seg 4)	7	20-Dec-12	26-Dec-12	196	Comment Resolution (Sound Walls & MOT Ph.3 - Seg 4)																																																																																																																																																																																															
4.00.16290	VDOTComment Verification (Sound Walls & MOT Ph.3 - Seg 4)	7	27-Dec-12	02-Jan-13	196	VDOTComment Verification (Sound Walls & MOT Ph.3 - Seg 4)																																																																																																																																																																																															
4.00.16300	Final Comment Resolution (Sound Walls & MOT Ph.3 - Seg 4)	7	03-Jan-13	09-Jan-13	196	Final Comment Resolution (Sound Walls & MOT Ph.3 - Seg 4)																																																																																																																																																																																															
4.00.16310	AFC Roadway Design (Sound Walls & MOT Ph.3 - Seg 4)	0		09-Jan-13	135	AFC Roadway Design (Sound Walls & MOT Ph.3 - Seg 4)																																																																																																																																																																																															
4.00.15330	Constructability Review: Stage 2 Final (B29A)	5	18-Apr-13	24-Apr-13	258	Constructability Review: Stage 2 Final (B29A)																																																																																																																																																																																															
4.00.15340	Incorp. Constructability Comments: Stage 2 Final (B29A)	5	25-Apr-13	01-May-13	258	Incorp. Constructability Comments: Stage 2 Final (B29A)																																																																																																																																																																																															
4.00.15350	VDOT Final Review: Stage 2 Final (B29A)	21	02-May-13	22-May-13	378	VDOT Final Review: Stage 2 Final (B29A)																																																																																																																																																																																															
4.00.15360	Comment Resolution: Stage 2 Final (B29A)	7	23-May-13	29-May-13	378	Comment Resolution: Stage 2 Final (B29A)																																																																																																																																																																																															

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012																												2013												2014												2015					
						2012							2013							2014								2015																																			
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A																					
High Occupancy Toll Lanes																																																															
Maintenance of Traffic																																																															
4.01.63775	Roadway Ready for Mill & Overlay (4.1.HOT)	0		12-May-14	0																													◆ Roadway Ready for Mill & Overlay (4.1.HOT)																													
Roadway																																																															
4.01.63690	Mill & Overlay (4.1.HOT)	8	21-Oct-14	31-Oct-14	0																																									■ Mill & Overlay (4.1.HOT)																	
4.01.75753	Permanent Striping (4.1.HOT)	2	03-Nov-14	04-Nov-14	33																																									■ Permanent Striping (4.1.HOT)																	
Traffic & Tolling Management Systems																																																															
4.01.60792	Install Ductbank (4.1.HOT)	38	31-Jul-12	27-Sep-12	57	■ Install Ductbank (4.1.HOT)																																																									
4.01.65172	Pull & Term Wire & Cable: Fiber Optics for HOT (4.1.HOT)	60	28-Sep-12	07-Jan-13	115	■ Pull & Term Wire & Cable: Fiber Optics for HOT (4.1.HOT)																																																									
4.01.60800	Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (4.1.HOT)	48	03-Jan-13	21-Mar-13	283	■ Install Cross Bores/Connect Duct Sys To & Complete Shaft Fdns. (4.1.HOT)																																																									
4.01.60788	Pull & Term Wires - Service Panel to Tech Shelter (4.1.HOT)	15	06-Sep-13	30-Sep-13	167	■ Pull & Term Wires - Service Panel to Tech Shelter (4.1.HOT)																																																									
4.01.60790	Tech Shelter Released to Trans Urban (4.1.HOT)	0		30-Sep-13	167																													◆ Tech Shelter Released to Trans Urban (4.1.HOT)																													
4.01.60808	Install Gantry Cross Member w/Associated Equip & Signs (4.1.HOT)	19	13-Jan-14	13-Feb-14	76																													■ Install Gantry Cross Member w/Associated Equip & Signs (4.1.HOT)																													
4.01.60810	Pull & Term Wire & Cable (4.1.HOT)	30	06-Mar-14	21-Apr-14	39																													■ Pull & Term Wire & Cable (4.1.HOT)																													
4.01.75793	Instal Access Gates (4.1.HOT)	20	13-May-14	13-Jun-14	0																													■ Instal Access Gates (4.1.HOT)																													
4.01.60812	Construction Testing (4.1.HOT)	10	16-Jun-14	30-Jun-14	0																													■ Construction Testing (4.1.HOT)																													
4.01.60814	Tolling/ITS/OH Signs Released to Trans Urban (4.1.HOT)	0		30-Jun-14	0																													◆ Tolling/ITS/OH Signs Released to Trans Urban (4.1.HOT)																													
Landscaping																																																															
4.01.75773	Topsoil Placement & Landscaping (4.1.HOT)	25	25-Oct-13	09-Dec-13	239																													■ Topsoil Placement & Landscaping (4.1.HOT)																													
West Phase																																																															
Maintenance of Traffic																																																															
4.01.63200	Reroute Traffic to East Side (4.1.HOT)	3	27-Aug-12	30-Aug-12	77	■ Reroute Traffic to East Side (4.1.HOT)																																																									
4.01.75673	Temporary Barrier: For HOT West Phase * (4.1.HOT)	10	31-Aug-12	17-Sep-12	112	■ Temporary Barrier: For HOT West Phase * (4.1.HOT)																																																									
4.01.63710	Roadway Ready for Traffic: W. Ph. (4.1.HOT)	0		30-Jul-13	59																													◆ Roadway Ready for Traffic: W. Ph. (4.1.HOT)																													
Earthwork																																																															
4.01.63725	Earthwork: W. Ph. - Toll Gantry @ St.1533 (4.1.HOT)	5	19-Oct-12	25-Oct-12	125	■ Earthwork: W. Ph. - Toll Gantry @ St.1533 (4.1.HOT)																																																									
2.01.63080	Earthwork: shoulder (4.1.HOT)	24	19-Oct-12	22-Mar-13	112	■ Earthwork: shoulder (4.1.HOT)																																																									
Drainage																																																															
4.01.63680	Drainage: W. Ph. (4.1.HOT)	39	19-Mar-13	16-May-13	73	■ Drainage: W. Ph. (4.1.HOT)																																																									
Roadway																																																															
4.01.63805	Paving: shoulder strengthening (4.1.HOT)	18	31-Jul-12	24-Aug-12	41	■ Paving: shoulder strengthening (4.1.HOT)																																																									
4.01.63735	Subbase: W. Ph. - Toll Gantry @ St.1533 (4.1.HOT)	2	26-Oct-12	29-Oct-12	125	■ Subbase: W. Ph. - Toll Gantry @ St.1533 (4.1.HOT)																																																									
4.01.63755	Paving Intermediate: W. Ph. - Toll Gantry @ St.1533 (4.1.HOT)	3	30-Oct-12	02-Nov-12	151	■ Paving Intermediate: W. Ph. - Toll Gantry @ St.1533 (4.1.HOT)																																																									
4.01.63765	Permanent Barrier: W. Ph. - Toll Gantry @ St.1533 (4.1.HOT)	4	05-Nov-12	08-Nov-12	220	■ Permanent Barrier: W. Ph. - Toll Gantry @ St.1533 (4.1.HOT)																																																									
4.01.65333	Demo Barrier: W. Ph. (4.1.HOT)	3	14-Dec-12	18-Dec-12	59	■ Demo Barrier: W. Ph. (4.1.HOT)																																																									
4.01.63100	Subbase: shoulder (4.1.HOT)	18	25-Mar-13	19-Apr-13	112	■ Subbase: shoulder (4.1.HOT)																																																									
4.01.75733	Permanent Barrier: W. Ph. (4.1.HOT)	37	17-Apr-13	13-Jun-13	89	■ Permanent Barrier: W. Ph. (4.1.HOT)																																																									
4.01.63110	Paving: shoulder (4.1.HOT)	10	22-Apr-13	06-May-13	112	■ Paving: shoulder (4.1.HOT)																																																									
1.01.65402	Guardrail: W. Ph. (4.1.HOT)	2	16-Jul-13	18-Jul-13	67	■ Guardrail: W. Ph. (4.1.HOT)																																																									
Lighting																																																															
4.01.63700	Roadway Lighting: W. Ph. (4.1.HOT)	10	16-Jul-13	30-Jul-13	59	■ Roadway Lighting: W. Ph. (4.1.HOT)																																																									
Traffic & Tolling Management Systems																																																															
4.01.60798	Drill Shafts (Barrier): W. Ph. (4.1.HOT)	72	19-Dec-12	16-Apr-13	59	■ Drill Shafts (Barrier): W. Ph. (4.1.HOT)																																																									
4.01.60794	Drill Shafts: W. Ph. (4.1.HOT)	34	17-Apr-13	07-Jun-13	59	■ Drill Shafts: W. Ph. (4.1.HOT)																																																									
4.01.60806	Install Poles/Gantry Legs & Associated Equip W. Ph. (4.1.HOT)	23	10-Jun-13	15-Jul-13	59	■ Install Poles/Gantry Legs & Associated Equip W. Ph. (4.1.HOT)																																																									
East Phase																																																															
Maintenance of Traffic																																																															
4.01.63210	Reroute Traffic to West Side (4.1.HOT)	3	01-Aug-13	05-Aug-13	59	■ Reroute Traffic to West Side (4.1.HOT)																																																									
4.01.75683	Temporary Barrier: For HOT East Phase * (4.1.HOT)	5	06-Aug-13	12-Aug-13	59	■ Temporary Barrier: For HOT East Phase * (4.1.HOT)																																																									

■ Remaining Level of Effort ■ Critical Remaining Work
■ Remaining Work ◆ Milestone

TASK filter: No LOE.

Schedule for I-95 HOT Lanes			
Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Table with columns: Activity ID, Activity Name, Original Duration, Start, Finish, Total Float, and monthly grids for years 2012, 2013, 2014, and 2015. Activities include Roadway Ready for Traffic, Earthwork, Drainage, Roadway, Lighting, Traffic & Tolling Management Systems, Utility Relocations, and No Lane Phase.

Remaining Level of Effort Critical Remaining Work Remaining Work Milestone

Schedule for I-95 HOT Lanes table with columns: Date, Revision, Checked, Approved. Values: 11-Jul-12, Baseline Schedule, cjc, jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	2012					2013					2014					2015												
						r	M	J	Jul	A	S	Oct	N	D	J	F	M	A	M	J	Jul	A	S	Oct	N	D	Jan	F	M	A			
4.00.70380	PIP Utility Complete: 18" Sanitary in Casing @ St. 1507+00 (4.1 HOT) - DP...	0		03-Jun-13	121	◆ PIP Utility Complete: 18" Sanitary in Casing @ St. 1507+00 (4.1 HOT) - DPWES-9																											
4.00.70410	PIP Utility: 18" Sanitary in Casing @ St. 1507+00 (4.1 HOT) - DPWES-11	5	09-Aug-13	16-Aug-13	121	■ PIP Utility: 18" Sanitary in Casing @ St. 1507+00 (4.1 HOT) - DPWES-11																											
4.00.70400	PIP Utility Complete: 10" Sanitary in Casing @ St. 1563+10 (4.1 HOT) - DP...	0		16-Aug-13	121	◆ PIP Utility Complete: 10" Sanitary in Casing @ St. 1563+10 (4.1 HOT) - DPWES-11																											
Ramp THN																																	
GP Southbound																																	
Retaining Walls																																	
4.01.53350	Procure Panels: Post & Panel (RW1535-3)	30	16-Nov-12	02-Jan-13	84	■ Procure Panels: Post & Panel (RW1535-3)																											
4.01.53340	Procure Panels: MSE (RW1535-2)	30	18-Dec-12	01-Feb-13	199	■ Procure Panels: MSE (RW1535-2)																											
4.01.40340	Retaining Wall Construction: Post & Panel (RW1535-3)	88	03-Jan-13	22-May-13	76	■ Retaining Wall Construction: Post & Panel (RW1535-3)																											
4.01.64713	Retaining Wall: Excavation MSE (RW1535-2) - at Bridge Abutment	2	24-Jan-13	25-Jan-13	180	■ Retaining Wall: Excavation MSE (RW1535-2) - at Bridge Abutment																											
4.01.64723	Retaining Wall: Levelling Pad MSE (RW1535-2) - at Bridge Abutment	4	28-Jan-13	01-Feb-13	180	■ Retaining Wall: Levelling Pad MSE (RW1535-2) - at Bridge Abutment																											
4.01.64733	Retaining Wall: Panels & Backfill MSE (RW1535-2) - at Bridge Abutment	9	04-Feb-13	15-Feb-13	180	■ Retaining Wall: Panels & Backfill MSE (RW1535-2) - at Bridge Abutment																											
4.01.53360	Procure Panels: Post & Panel (RW1556)	33	08-Apr-13	22-May-13	84	■ Procure Panels: Post & Panel (RW1556)																											
4.01.40350	Retaining Wall Construction: Post & Panel (RW1556)	108	23-May-13	12-Nov-13	76	■ Retaining Wall Construction: Post & Panel (RW1556)																											
4.01.64753	Retaining Wall: Excavation MSE (RW1535-2) - Roadway	2	01-Nov-13	04-Nov-13	41	■ Retaining Wall: Excavation MSE (RW1535-2) - Roadway																											
4.01.64763	Retaining Wall: Levelling Pad MSE (RW1535-2) - Roadway	5	05-Nov-13	12-Nov-13	41	■ Retaining Wall: Levelling Pad MSE (RW1535-2) - Roadway																											
4.01.64773	Retaining Wall: Panels & Backfill MSE (RW1535-2) - Roadway	21	14-Nov-13	19-Dec-13	41	■ Retaining Wall: Panels & Backfill MSE (RW1535-2) - Roadway																											
4.01.64783	Retaining Wall: Moment Slab & Barrier MSE (RW1535-2)	16	20-Dec-13	14-Jan-14	41	■ Retaining Wall: Moment Slab & Barrier MSE (RW1535-2)																											
High Occupancy Toll Lanes																																	
East Phase																																	
Environmental																																	
4.01.65183	Erosion Control Setup (RpTHN)	3	31-Jul-12	02-Aug-12	168	■ Erosion Control Setup (RpTHN)																											
Maintenance of Traffic																																	
4.01.53590	Roadway Ready for Traffic (RpTHN)	0		05-May-14	0	◆ Roadway Ready for Traffic (RpTHN)																											
Earthwork																																	
4.01.53530	Clearing, Grubbing & Topsoil Stripping (RpTHN)	20	31-Jul-12	28-Aug-12	108	■ Clearing, Grubbing & Topsoil Stripping (RpTHN)																											
4.01.53540	Earthwork (RpTHN)	14	25-Oct-12	15-Mar-13	47	■ Earthwork (RpTHN)																											
Drainage																																	
4.01.53550	Drainage: deep (RpTHN)	37	19-Oct-12	19-Dec-12	77	■ Drainage: deep (RpTHN)																											
4.01.63785	Drainage: shallow (RpTHN)	10	15-Mar-13	29-Mar-13	221	■ Drainage: shallow (RpTHN)																											
Retaining Walls																																	
4.01.53330	Procure Panels: MSE (RW1535-1)	35	16-Nov-12	09-Jan-13	158	■ Procure Panels: MSE (RW1535-1)																											
4.01.64632	Retaining Wall: Excavation MSE (RW1535-1) - at Bridge Abutment	2	02-Jan-13	03-Jan-13	143	■ Retaining Wall: Excavation MSE (RW1535-1) - at Bridge Abutment																											
4.01.64642	Retaining Wall: Levelling Pad MSE (RW1535-1) - at Bridge Abutment	4	04-Jan-13	09-Jan-13	143	■ Retaining Wall: Levelling Pad MSE (RW1535-1) - at Bridge Abutment																											
4.01.64652	Retaining Wall: Panels & Backfill MSE (RW1535-1) - at Bridge Abutment	13	10-Jan-13	01-Feb-13	143	■ Retaining Wall: Panels & Backfill MSE (RW1535-1) - at Bridge Abutment																											
4.01.64673	Retaining Wall: Excavation MSE (RW1535-1) - Roadway	4	26-Jul-13	01-Aug-13	49	■ Retaining Wall: Excavation MSE (RW1535-1) - Roadway																											
4.01.64683	Retaining Wall: Levelling Pad MSE (RW1535-1) - Roadway	13	02-Aug-13	21-Aug-13	49	■ Retaining Wall: Levelling Pad MSE (RW1535-1) - Roadway																											
4.01.64693	Retaining Wall: Panels & Backfill MSE (RW1535-1) - Roadway	43	22-Aug-13	29-Oct-13	49	■ Retaining Wall: Panels & Backfill MSE (RW1535-1) - Roadway																											
4.01.64703	Retaining Wall: Moment Slab & Barrier MSE (RW1535-1)	27	31-Oct-13	16-Dec-13	59	■ Retaining Wall: Moment Slab & Barrier MSE (RW1535-1)																											
Roadway																																	
4.01.53560	Subbase (RpTHN)	7	17-Mar-14	25-Mar-14	6	■ Subbase (RpTHN)																											
4.01.53570	Paving (RpTHN)	10	15-Apr-14	29-Apr-14	0	■ Paving (RpTHN)																											
4.01.53580	Permanent Barrier: (RpTHN)	3	01-May-14	05-May-14	0	■ Permanent Barrier: (RpTHN)																											
4.01.75763	Permanent Striping (RpTHN)	2	01-May-14	02-May-14	1	■ Permanent Striping (RpTHN)																											
Lighting																																	
4.01.75813	Roadway Lighting (RpTHN)	8	14-Apr-14	24-Apr-14	6	■ Roadway Lighting (RpTHN)																											
Traffic & Tolling Management Systems																																	
4.01.60799	Drill Shafts (RpTHN)	8	27-Mar-14	07-Apr-14	6	■ Drill Shafts (RpTHN)																											
4.01.60819	Install Poles (RpTHN)	4	08-Apr-14	11-Apr-14	6	■ Install Poles (RpTHN)																											

Activity ID | Activity Name | Original Duration | Start | Finish | Total Float | 2012 (M, J, Jul, A, S, Oct, N, D) | 2013 (J, F, M, A, M, J, Jul, A, S, Oct, N, D) | 2014 (J, F, M, A, M, J, Jul, A, S, Oct, N, D) | 2015 (Jan, F, M, A)

Legend: Remaining Level of Effort (blue bar), Critical Remaining Work (red bar), Remaining Work (green bar), Milestone (black diamond)

TASK filter: No LOE. Page 71 of 72

Schedule for I-95 HOT Lanes. Table with columns: Date, Revision, Checked, Approved. Values: 11-Jul-12, Baseline Schedule, cjc, jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Budgeted Total Cost	2012												2013												2014												2015			
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A				
I-95 HOT Lanes																																														
Segment 1 - Garrisonville Rd to N. of Quantico Creek (St.15 to St.449)																																														
Work Area Garrisonville Rd to Aquia Crk																																														
Dominion Virginia Power - Distribution																																														
Utility Relocations																																														
Underground Electrical																																														
1.00.70190	Design Utility: Underground crossing @ St.83+65 (1.1.HOT) - DOMD-1	40	03-Jul-12	28-Aug-12	121	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70200	VDOT Review Utility Design: Underground crossing @ St.83+65 (1.1.HOT) - DOMD-1	21	29-Aug-12	18-Sep-12	183	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70210	Construct Utility: Underground crossing @ St.83+65 (1.1.HOT) - DOMD-1	30	19-Sep-12	05-Nov-12	110	\$60,000.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70220	Relocation of utility Complete: Underground crossing @ St.83+65 (1.1.HOT)	0		05-Nov-12	110	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
Stafford County Utilities Dept																																														
Utility Relocations																																														
Water																																														
1.00.70230	Design Utility: DIP water main @ St.99+45 (1.1.HOT) - SCUD-3	40	03-Jul-12	28-Aug-12	66	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70240	VDOT Review Utility Design: DIP water main @ St.99+45 (1.1.HOT) - SCUD-3	21	29-Aug-12	18-Sep-12	99	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70250	Construct Utility: DIP water main @ St.99+45 (1.1.HOT) - SCUD-3	40	19-Sep-12	21-Nov-12	59	\$75,000.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70020	Relocation of utility Complete: DIP water main @ St.99+45 (1.1.HOT)	0		21-Nov-12	59	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
Work Area Aquia Crk to Chopawamsic Crk																																														
Dominion Virginia Power - Distribution																																														
Utility Relocations																																														
Overhead Electrical																																														
1.00.70260	Design Utility: OH X-ing @ St.195+00 (1.2.HOT) - DOMD-2	60	03-Jul-12	26-Sep-12	30	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70270	VDOT Review Utility Design: OH X-ing @ St.195+00 (1.2.HOT) - DOMD-2	21	27-Sep-12	17-Oct-12	43	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70280	Construct Utility: OH X-ing @ St.195+00 (1.2.HOT) - DOMD-2	70	18-Oct-12	12-Feb-13	25	\$120,000.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70030	Relocation of utility Complete: OH X-ing @ St.195+00 (1.2.HOT) - DOMD-2	0		12-Feb-13	25	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
Verizon																																														
Utility Relocations																																														
Telecommunications																																														
1.00.70680	Design Utility: OH X-ing @ St.195+00 (1.2.HOT) - VRZ-1	40	03-Jul-12	28-Aug-12	109	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70690	VDOT Review Utility Design: OH X-ing @ St.195+00 (1.2.HOT) - VRZ-1	21	29-Aug-12	18-Sep-12	166	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70700	Construct Utility: OH X-ing @ St.195+00 (1.2.HOT) - VRZ-1	15	19-Sep-12	11-Oct-12	98	\$30,000.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70880	Relocation of utility Complete: OH X-ing @ St.195+00 (1.2.HOT) - VRZ-1	0		11-Oct-12	98	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
Work Area Chopawamsic Crk to Joplin Rd																																														
Dominion Virginia Power - Distribution																																														
Utility Relocations																																														
Overhead Electrical																																														
1.00.70400	Design Utility: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3	60	03-Jul-12	26-Sep-12	161	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70410	VDOT Review Utility Design: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3	21	27-Sep-12	17-Oct-12	238	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70420	Construct Utility: electric X-ing @ St.250+24 (1.3.HOT) - DOMD-3	40	18-Oct-12	21-Dec-12	145	\$150,000.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70080	Relocation of utility Complete: electric X-ing @ St.250+25 (1.3.HOT) - DOMD-3	0		21-Dec-12	145	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
MCB Quantico																																														
Utility Relocations																																														
Water																																														
1.00.70290	Design Utility: water main (20") @ St.244+65 (1.3.HOT) - MCBQ-2	40	03-Jul-12	28-Aug-12	23	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70320	Design Utility: water main (18") @ St.244+65 (1.3.HOT) - MCBQ-1	40	03-Jul-12	28-Aug-12	23	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70300	VDOT Review Utility Design: water main (20") @ St.244+65 (1.3.HOT) - MCBQ-2	21	29-Aug-12	18-Sep-12	34	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70330	VDOT Review Utility Design: water main (18") @ St.244+65 (1.3.HOT) - MCBQ-1	21	29-Aug-12	18-Sep-12	34	\$0.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70310	Construct Utility: water main (20") @ St.244+65 (1.3.HOT) - MCBQ-2	15	19-Sep-12	11-Oct-12	21	\$30,000.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			
1.00.70340	Construct Utility: water main (18") @ St.244+65 (1.3.HOT) - MCBQ-1	15	19-Sep-12	11-Oct-12	21	\$30,000.00	[Gantt Bar]												[Gantt Bar]												[Gantt Bar]												[Gantt Bar]			

█ Remaining Level of Effort █ Critical Remaining Work
█ Remaining Work ◆ Milestone

Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Budgeted Total Cost	2012												2013												2014												2015											
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A
1.00.70040	Relocation of utility Complete: water main (20") @ St.244+65 (1.3.HOT) - MCBQ-2	0		11-Oct-12	21	\$0.00	→ Relocation of utility Complete: water main (20") @ St.244+65 (1.3.HOT) - MCBQ-2																																															
1.00.70050	Relocation of utility Complete: water main (18") @ St.244+65 (1.3.HOT)	0		11-Oct-12	21	\$0.00	→ Relocation of utility Complete: water main (18") @ St.244+65 (1.3.HOT)																																															
Verizon																																																						
Utility Relocations																																																						
Telecommunications																																																						
1.00.70370	Design Utility: T/TG Telephone @ St.250+60 (1.3.HOT) - VRZ-3	45	03-Jul-12	05-Sep-12	186	\$0.00	[Green Box] Design Utility: T/TG Telephone @ St.250+60 (1.3.HOT) - VRZ-3																																															
1.00.70620	Design Utility: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2	45	03-Jul-12	05-Sep-12	186	\$0.00	[Green Box] Design Utility: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2																																															
1.00.70380	VDOT Review Utility Design: T/TG Telephone @ St.250+60 (1.3.HOT) - VRZ-3	21	06-Sep-12	26-Sep-12	274	\$0.00	[Green Box] VDOT Review Utility Design: T/TG Telephone @ St.250+60 (1.3.HOT) - VRZ-3																																															
1.00.70630	VDOT Review Utility Design: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2	21	06-Sep-12	26-Sep-12	274	\$0.00	[Green Box] VDOT Review Utility Design: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2																																															
1.00.70390	Construct Utility: T/TG Telephone @ St.250+60 (1.3.HOT) - VRZ-3	30	27-Sep-12	13-Nov-12	168	\$60,000.00	[Green Box] Construct Utility: T/TG Telephone @ St.250+60 (1.3.HOT) - VRZ-3																																															
1.00.70640	Construct Utility: T/TG Telephone @ St.249+22 (1.3.HOT) - VRZ-2	30	27-Sep-12	13-Nov-12	168	\$60,000.00	[Green Box] Construct Utility: T/TG Telephone @ St.249+22 (1.3.HOT) - VRZ-2																																															
1.00.70090	Relocation of utility Complete: T/TG Telephone @ St.250+60 (1.3.HOT)	0		13-Nov-12	168	\$0.00	→ Relocation of utility Complete: T/TG Telephone @ St.250+60 (1.3.HOT)																																															
1.00.70900	Relocation of utility Complete: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2	0		13-Nov-12	168	\$0.00	→ Relocation of utility Complete: T/TG Telephone @ St. 249+22 (1.3.HOT) - VRZ-2																																															
Work Area Joplin Rd to Segment 1 Limits																																																						
Dominion Virginia Power - Transmission																																																						
Utility Relocations																																																						
Overhead Electrical																																																						
1.00.70930	Design Utility: Tower OH - 500kV(3) St.406+75 (1.4.HOT) - DOMT-4	60	31-Jul-12	24-Oct-12	237	\$0.00	[Green Box] Design Utility: Tower OH - 500kV(3) St.406+75 (1.4.HOT) - DOMT-4																																															
1.00.70940	VDOT Review Utility Design: Tower OH - 500kV(3) St.406+75 (1.4.HOT) - DOMT-4	21	25-Oct-12	14-Nov-12	348	\$0.00	[Green Box] VDOT Review Utility Design: Tower OH - 500kV(3) St.406+75 (1.4.HOT) - DOMT-4																																															
1.00.70950	Construct Utility: Tower OH - 500kV(3) St.406+75 (1.4.HOT) - DOMT-4	40	15-Nov-12	23-Jan-13	215	\$75,000.00	[Green Box] Construct Utility: Tower OH - 500kV(3) St.406+75 (1.4.HOT) - DOMT-4																																															
1.00.70960	Relocation of utility Complete: Tower OH - 500kV(3) St.406+75 (1.4.HOT) - DOMT-4	0		23-Jan-13	215	\$0.00	→ Relocation of utility Complete: Tower OH - 500kV(3) St.406+75 (1.4.HOT) - DOMT-4																																															
Columbia Gas																																																						
Utility Relocations																																																						
Gas																																																						
1.00.70840	PIP Utility: Gas Main (16") St. 365+10 (1.4.HOT) - CG-1	5	11-Sep-12	18-Sep-12	54	\$10,000.00	[Green Box] PIP Utility: Gas Main (16") St. 365+10 (1.4.HOT) - CG-1																																															
1.00.70920	PIP Utility Complete: Gas Main (16") St. 365+10 (1.4.HOT) - CG-1	0		18-Sep-12	54	\$0.00	→ PIP Utility Complete: Gas Main (16") St. 365+10 (1.4.HOT) - CG-1																																															
Comcast																																																						
Utility Relocations																																																						
Cable TV																																																						
1.00.70430	Design Utility: CATV @ St.376+65 (1.4.HOT) - COM-1	45	03-Jul-12	05-Sep-12	323	\$0.00	[Green Box] Design Utility: CATV @ St.376+65 (1.4.HOT) - COM-1																																															
1.00.70850	Design Utility: CATV @ St.376+50 (1.4.HOT) - COM-1	45	03-Jul-12	05-Sep-12	323	\$0.00	[Green Box] Design Utility: CATV @ St.376+50 (1.4.HOT) - COM-1																																															
1.00.70970	Design Utility: CATV @ St. 448+85 (1.4.HOT) - COM-2	45	03-Jul-12	05-Sep-12	196	\$0.00	[Green Box] Design Utility: CATV @ St. 448+85 (1.4.HOT) - COM-2																																															
1.00.70440	VDOT Review Utility Design: CATV @ St.376+65 (1.4.HOT) - COM-1	21	06-Sep-12	26-Sep-12	476	\$0.00	[Green Box] VDOT Review Utility Design: CATV @ St.376+65 (1.4.HOT) - COM-1																																															
1.00.70860	VDOT Review Utility Design: CATV @ St.376+50 (1.4.HOT) - COM-1	21	06-Sep-12	26-Sep-12	476	\$0.00	[Green Box] VDOT Review Utility Design: CATV @ St.376+50 (1.4.HOT) - COM-1																																															
1.00.70980	VDOT Review Utility Design: CATV @ St. 448+85 (1.4.HOT) - COM-2	21	06-Sep-12	26-Sep-12	288	\$0.00	[Green Box] VDOT Review Utility Design: CATV @ St. 448+85 (1.4.HOT) - COM-2																																															
1.00.70450	Construct Utility: CATV @ St.376+65 (1.4.HOT) - COM-1	30	27-Sep-12	13-Nov-12	291	\$60,000.00	[Green Box] Construct Utility: CATV @ St.376+65 (1.4.HOT) - COM-1																																															
1.00.70870	Construct Utility: CATV @ St.376+50 (1.4.HOT) - COM-1	30	27-Sep-12	13-Nov-12	291	\$60,000.00	[Green Box] Construct Utility: CATV @ St.376+50 (1.4.HOT) - COM-1																																															
1.00.70990	Construct Utility: CATV @ St. 448+85 (1.4.HOT) - COM-2	30	27-Sep-12	13-Nov-12	177	\$60,000.00	[Green Box] Construct Utility: CATV @ St. 448+85 (1.4.HOT) - COM-2																																															
1.00.70110	Relocation of utility Complete: CATV @ St.376+65 (1.4.HOT) - COM-1	0		13-Nov-12	291	\$0.00	→ Relocation of utility Complete: CATV @ St.376+65 (1.4.HOT) - COM-1																																															
1.00.70890	Relocation of utility Complete: CATV @ St.376+50 (1.4.HOT) - COM-1	0		13-Nov-12	291	\$0.00	→ Relocation of utility Complete: CATV @ St.376+50 (1.4.HOT) - COM-1																																															
1.00.71000	Relocation of utility Complete: CATV @ St. 448+85 (1.4.HOT) - COM-2	0		13-Nov-12	177	\$0.00	→ Relocation of utility Complete: CATV @ St. 448+85 (1.4.HOT) - COM-2																																															
Dominion Virginia Power - Distribution																																																						
Utility Relocations																																																						
Overhead Electrical																																																						
1.00.70460	Design Utility: OH X-ing @ St.384+55 (1.4.HOT) - DOMD-5	60	03-Jul-12	26-Sep-12	274	\$0.00	[Green Box] Design Utility: OH X-ing @ St.384+55 (1.4.HOT) - DOMD-5																																															
1.00.70470	VDOT Review Utility Design: OH X-ing @ St.384+55 (1.4.HOT) - DOMD-5	21	27-Sep-12	17-Oct-12	403	\$0.00	[Green Box] VDOT Review Utility Design: OH X-ing @ St.384+55 (1.4.HOT) - DOMD-5																																															
1.00.70480	Construct Utility: OH X-ing @ St.384+55 (1.4.HOT) - DOMD-5	60	18-Oct-12	28-Jan-13	248	\$115,000.00	[Green Box] Construct Utility: OH X-ing @ St.384+55 (1.4.HOT) - DOMD-5																																															
1.00.70120	Relocation of utility Complete: OH X-ing @ St.384+55 (1.4.HOT) - DOMD-5	0		28-Jan-13	248	\$0.00	→ Relocation of utility Complete: OH X-ing @ St.384+55 (1.4.HOT) - DOMD-5																																															
Prince William County Service Authority																																																						
Utility Relocations																																																						

Remaining Level of Effort
 Critical Remaining Work
 Remaining Work
 ◆ Milestone

TASK filter: I95 Type of Work = Utilities.

Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Budgeted Total Cost	2012					2013					2014					2015					
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J
2.00.70320	VDOT Review Utility Design: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8	21	26-Sep-12	16-Oct-12	309	\$0.00																					VDOT Review Utility Design: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8
2.00.70260	VDOT Review Utility Design: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7	21	27-Sep-12	17-Oct-12	236	\$0.00																					VDOT Review Utility Design: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7
2.00.70240	Construct Utility: OH (in ROW 150' Rt) @ St.449+05 (2.1.HOT) - DOMD-6	50	11-Oct-12	03-Jan-13	148	\$100,000.00																					Construct Utility: OH (in ROW 150' Rt) @ St.449+05 (2.1.HOT) - DOMD-6
2.00.70270	Construct Utility: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7	50	18-Oct-12	09-Jan-13	144	\$100,000.00																					Construct Utility: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7
2.00.70330	Construct Utility: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8	45	18-Oct-12	02-Jan-13	190	\$85,000.00																					Construct Utility: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8
2.00.70000	Relocation of utility Complete: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8	0		02-Jan-13	190	\$0.00																					Relocation of utility Complete: OH X-ing @ St.473+80 (2.1.HOT) - DOMD-8
2.00.70190	Relocation of utility Complete: OH (in ROW 150' Rt) @ St.449+05 (2.1.HOT) - DOMD-6	0		03-Jan-13	148	\$0.00																					Relocation of utility Complete: OH (in ROW 150' Rt) @ St.449+05 (2.1.HOT) - DOMD-6
2.00.70200	Relocation of utility Complete: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7	0		09-Jan-13	144	\$0.00																					Relocation of utility Complete: OH X-ing @ St.451+20 (2.1.HOT) - DOMD-7
2.00.70390	PIP Utility: electric X-ing @ St.566+90 (2.1.HOT) - DOMD-10	5	11-Mar-13	18-Mar-13	314	\$10,000.00																					PIP Utility: electric X-ing @ St.566+90 (2.1.HOT) - DOMD-10
2.00.70400	PIP Utility Complete: electric X-ing @ St.566+90 (2.1.HOT) - DOMD-10	0		18-Mar-13	314	\$0.00																					PIP Utility Complete: electric X-ing @ St.566+90 (2.1.HOT) - DOMD-10
Prince William County Service Authority																											
Utility Relocations																											
Water																											
2.00.70840	PIP Utility: water main @ St.566+90 (2.1.HOT) - PWSCA-8	5	11-Mar-13	18-Mar-13	314	\$10,000.00																					PIP Utility: water main @ St.566+90 (2.1.HOT) - PWSCA-8
2.00.70850	PIP Utility Complete: water main @ St.566+90 (2.1.HOT) - PWSCA-8	0		18-Mar-13	314	\$0.00																					PIP Utility Complete: water main @ St.566+90 (2.1.HOT) - PWSCA-8
Work Area Neabsco Crk to Segment 2 N. Limits																											
Virginia Department of Transportation																											
Utility Relocations																											
Water																											
2.00.70500	PIP Utility: water main @ St.671+95 (2.2.HOT) - VDOT-4	5	21-Dec-12	31-Dec-12	295	\$20,000.00																					PIP Utility: water main @ St.671+95 (2.2.HOT) - VDOT-4
2.00.70070	PIP utility Complete: water main @ St.671+95 (2.2.HOT) - VDOT-4	0		31-Dec-12	295	\$0.00																					PIP utility Complete: water main @ St.671+95 (2.2.HOT) - VDOT-4
Telecommunications																											
2.00.70660	Design Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2	40	03-Jul-12	28-Aug-12	362	\$0.00																					Design Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2
2.00.70670	VDOT Review Utility Design: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2	21	29-Aug-12	18-Sep-12	537	\$0.00																					VDOT Review Utility Design: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2
2.00.70680	Construct Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2	30	19-Sep-12	05-Nov-12	327	\$60,000.00																					Construct Utility: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2
2.00.70125	Relocation of utility Complete: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2	0		05-Nov-12	327	\$0.00																					Relocation of utility Complete: UG Service @ St.751+10 (2.2.HOT) - NOVEC-2
Comcast																											
Utility Relocations																											
Cable TV																											
2.00.70720	Design Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5	50	03-Jul-12	12-Sep-12	341	\$0.00																					Design Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5
2.00.70780	Design Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2	50	03-Jul-12	12-Sep-12	341	\$0.00																					Design Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2
2.00.70730	VDOT Review Utility Design: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5	21	13-Sep-12	03-Oct-12	505	\$0.00																					VDOT Review Utility Design: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5
2.00.70790	VDOT Review Utility Design: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2	21	13-Sep-12	03-Oct-12	505	\$0.00																					VDOT Review Utility Design: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2
2.00.70740	Construct Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5	40	04-Oct-12	10-Dec-12	307	\$75,000.00																					Construct Utility: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5
2.00.70800	Construct Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2	40	04-Oct-12	10-Dec-12	307	\$75,000.00																					Construct Utility: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2
2.00.70140	Relocation of utility Complete: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5	0		10-Dec-12	307	\$0.00																					Relocation of utility Complete: Cable OH X-ing @ St.800+20 (2.2.HOT) - COM-5
2.00.70160	Relocation of utility Complete: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2	0		10-Dec-12	307	\$0.00																					Relocation of utility Complete: Cable OH X-ing @ St.800+80 (2.2.HOT) - COM-2
Dominion Virginia Power - Distribution																											
Utility Relocations																											
Overhead Electrical																											
2.00.70750	Design Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11	40	03-Jul-12	28-Aug-12	357	\$0.00																					Design Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11
2.00.70810	Design Utility: Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12	50	03-Jul-12	12-Sep-12	341	\$0.00																					Design Utility: Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12
2.00.70760	VDOT Review Utility Design: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11	21	29-Aug-12	18-Sep-12	530	\$0.00																					VDOT Review Utility Design: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11
2.00.70820	VDOT Review Utility Design: Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12	21	13-Sep-12	03-Oct-12	505	\$0.00																					VDOT Review Utility Design: Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12
2.00.70770	Construct Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11	35	19-Sep-12	13-Nov-12	322	\$70,000.00																					Construct Utility: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11
2.00.70830	Construct Utility: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12	40	04-Oct-12	10-Dec-12	307	\$75,000.00																					Construct Utility: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12
2.00.70150	Relocation of utility Complete: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11	0		13-Nov-12	322	\$0.00																					Relocation of utility Complete: OH X-ing @ St.800+25 (2.2.HOT) - DOMD-11
2.00.70170	Relocation of utility Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12	0		10-Dec-12	307	\$0.00																					Relocation of utility Complete: OH X-ing (2X Circuit) @ St.800+85 (2.2.HOT) - DOMD-12
Northern Virginia Electric Cooperative																											
Utility Relocations																											

█ Remaining Level of Effort █ Critical Remaining Work
█ Remaining Work ◆ Milestone

TASK filter: I95 Type of Work = Utilities.

Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Budgeted Total Cost	2012												2013												2014												2015											
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A												
Utility Relocations							Overhead Electrical																																															
3S.00.70460	Design Utility: OH X-ing @ St.943+75 (3S.3.HOT) - DOMD-15	40	31-Jul-12	25-Sep-12	189	\$0.00	Design Utility: OH X-ing @ St.943+75 (3S.3.HOT) - DOMD-15																																															
3S.00.70470	VDOT Review Utility Design: OH X-ing @ St.943+75 (3S.3.HOT) - DOMD-15	21	26-Sep-12	16-Oct-12	279	\$0.00	VDOT Review Utility Design: OH X-ing @ St.943+75 (3S.3.HOT) - DOMD-15																																															
3S.00.70480	Construct Utility: OH X-ing @ St.943+75 (3S.3.HOT) - DOMD-15	35	18-Oct-12	14-Dec-12	170	\$70,000.00	Construct Utility: OH X-ing @ St.943+75 (3S.3.HOT) - DOMD-15																																															
3S.00.70080	Relocation of utility Complete: OH X-ing @ St.943+75 (3S.3.HOT) - DOMD-15	0		14-Dec-12	170	\$0.00	Relocation of utility Complete: OH X-ing @ St.943+75 (3S.3.HOT) - DOMD-15																																															
Verizon							Utility Relocations																																															
Telecommunications							Design Utility: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11																																															
3S.00.70430	Design Utility: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11	30	03-Jul-12	14-Aug-12	222	\$0.00	Design Utility: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11																																															
3S.00.70520	Design Utility: Telephone @ St.946+20 (3S.3.HOT) - VRZ-3	30	03-Jul-12	14-Aug-12	212	\$0.00	Design Utility: Telephone @ St.946+20 (3S.3.HOT) - VRZ-3																																															
3S.00.70550	Design Utility: Telephone @ St.946+50 (3S.3.HOT) - VRZ-4	30	03-Jul-12	14-Aug-12	222	\$0.00	Design Utility: Telephone @ St.946+50 (3S.3.HOT) - VRZ-4																																															
3S.00.70440	VDOT Review Utility Design: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11	21	15-Aug-12	04-Sep-12	328	\$0.00	VDOT Review Utility Design: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11																																															
3S.00.70530	VDOT Review Utility Design: Telephone @ St.946+20 (3S.3.HOT) - VRZ-3	21	15-Aug-12	04-Sep-12	313	\$0.00	VDOT Review Utility Design: Telephone @ St.946+20 (3S.3.HOT) - VRZ-3																																															
3S.00.70560	VDOT Review Utility Design: Telephone @ St.946+50 (3S.3.HOT) - VRZ-4	21	15-Aug-12	04-Sep-12	328	\$0.00	VDOT Review Utility Design: Telephone @ St.946+50 (3S.3.HOT) - VRZ-4																																															
3S.00.70450	Construct Utility: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11	30	05-Sep-12	22-Oct-12	202	\$60,000.00	Construct Utility: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11																																															
3S.00.70540	Construct Utility: Telephone @ St.946+20 (3S.3.HOT) - VRZ-3	40	05-Sep-12	06-Nov-12	192	\$75,000.00	Construct Utility: Telephone @ St.946+20 (3S.3.HOT) - VRZ-3																																															
3S.00.70570	Construct Utility: Telephone @ St.946+50 (3S.3.HOT) - VRZ-4	30	05-Sep-12	22-Oct-12	202	\$60,000.00	Construct Utility: Telephone @ St.946+50 (3S.3.HOT) - VRZ-4																																															
3S.00.70070	Relocation of utility Complete: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11	0		22-Oct-12	202	\$0.00	Relocation of utility Complete: Telecommunications @ St.943+76 (3S.3.HOT) - VRZ-11																																															
3S.00.70110	Relocation of utility Complete: Telephone @ St.946+50 (3S.3.HOT) - VRZ-4	0		22-Oct-12	202	\$0.00	Relocation of utility Complete: Telephone @ St.946+50 (3S.3.HOT) - VRZ-4																																															
3S.00.70100	Relocation of utility Complete: Telephone @ St.946+20 (3S.3.HOT) - VRZ-3	0		06-Nov-12	192	\$0.00	Relocation of utility Complete: Telephone @ St.946+20 (3S.3.HOT) - VRZ-3																																															
3S.00.70490	PIP Utility: Telecommunications @ St.944+20 (3S.3.HOT) - VRZ-12	5	03-Apr-13	09-Apr-13	100	\$10,000.00	PIP Utility: Telecommunications @ St.944+20 (3S.3.HOT) - VRZ-12																																															
3S.00.70090	PIP utility Complete: Telecommunications @ St.944+20 (3S.3.HOT) - VRZ-12	0		09-Apr-13	100	\$0.00	PIP utility Complete: Telecommunications @ St.944+20 (3S.3.HOT) - VRZ-12																																															
Furnace Rd to Bridge 54							Comcast																																															
Utility Relocations							Cable TV																																															
3S.00.70580	Design Utility: Cable TV @ St.950+05 (3S.4.HOT) - COM-7	35	03-Jul-12	21-Aug-12	105	\$0.00	Design Utility: Cable TV @ St.950+05 (3S.4.HOT) - COM-7																																															
3S.00.70590	VDOT Review Utility Design: Cable TV @ St.950+05 (3S.4.HOT) - COM-7	21	22-Aug-12	11-Sep-12	160	\$0.00	VDOT Review Utility Design: Cable TV @ St.950+05 (3S.4.HOT) - COM-7																																															
3S.00.70600	Construct Utility: Cable TV @ St.950+05 (3S.4.HOT) - COM-7	15	13-Sep-12	04-Oct-12	94	\$30,000.00	Construct Utility: Cable TV @ St.950+05 (3S.4.HOT) - COM-7																																															
3S.00.70120	Relocation of utility Complete: Cable TV @ St.950+05 (3S.4.HOT) - COM-7	0		04-Oct-12	94	\$0.00	Relocation of utility Complete: Cable TV @ St.950+05 (3S.4.HOT) - COM-7																																															
Fairfax Water							Water																																															
3S.00.70860	PIP Utility: 12' DIP @ 950+25 (3S.4.HOT) - FW-3	5	31-Jul-12	06-Aug-12	268	\$10,000.00	PIP Utility: 12' DIP @ 950+25 (3S.4.HOT) - FW-3																																															
3S.00.70870	PIP utility Complete: 12' DIP @ 950+25 (3S.4.HOT) - FW-3	0		06-Aug-12	268	\$0.00	PIP utility Complete: 12' DIP @ 950+25 (3S.4.HOT) - FW-3																																															
Washington Gas							Gas																																															
3S.00.70800	Design Utility: Gas @ 950+20 (3S.4.HOT) - WGL-5	40	03-Jul-12	28-Aug-12	227	\$0.00	Design Utility: Gas @ 950+20 (3S.4.HOT) - WGL-5																																															
3S.00.70790	VDOT Review Utility Design: Gas @ 950+20 (3S.4.HOT) - WGL-5	21	29-Aug-12	18-Sep-12	335	\$0.00	VDOT Review Utility Design: Gas @ 950+20 (3S.4.HOT) - WGL-5																																															
3S.00.70780	Construct Utility: Gas @ 950+20 (3S.4.HOT) - WGL-5	35	19-Sep-12	13-Nov-12	206	\$70,000.00	Construct Utility: Gas @ 950+20 (3S.4.HOT) - WGL-5																																															
3S.00.70810	Relocation of utility Complete: Gas @ 950+20 (3S.4.HOT) - WGL-5	0		13-Nov-12	206	\$0.00	Relocation of utility Complete: Gas @ 950+20 (3S.4.HOT) - WGL-5																																															
Bridge 54 to Lorton Rd							AT&T																																															
Utility Relocations							Telecommunications																																															
3S.00.70640	Design Utility: Telephone @ St.1055+10 (3S.5.HOT) - ATT-1	40	03-Jul-12	28-Aug-12	422	\$0.00	Design Utility: Telephone @ St.1055+10 (3S.5.HOT) - ATT-1																																															
3S.00.70670	PIP Utility: Telephone @ St.1055+25 (3S.5.HOT) - ATT-2	5	31-Jul-12	06-Aug-12	250	\$10,000.00	PIP Utility: Telephone @ St.1055+25 (3S.5.HOT) - ATT-2																																															
3S.00.70150	PIP Utility Complete: Telephone @ St.1055+25 (3S.5.HOT) - ATT-2	0		06-Aug-12	250	\$0.00	PIP Utility Complete: Telephone @ St.1055+25 (3S.5.HOT) - ATT-2																																															

█ Remaining Level of Effort
 █ Critical Remaining Work
█ Remaining Work
 ◆ Milestone

TASK filter: I95 Type of Work = Utilities.

Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Budgeted Total Cost	2012												2013												2014												2015			
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A				
3N.00.70750	PIP Utility: Telecommunications @ St.1251+80 (3N.1.HOT) - CL-1	5	28-Jan-13	04-Feb-13	32	\$10,000.00																																			PIP Utility: Telecommunications @ St.1251+80 (3N.1.HOT) - CL-1					
3N.00.70230	PIP utility Complete: Telecommunications @ St.1251+80 (3N.1.HOT) - CL-1	0		04-Feb-13	32	\$0.00																																		PIP utility Complete: Telecommunications @ St.1251+80 (3N.1.HOT) - CL-1						
3N.00.70930	PIP Utility: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2	5	03-Mar-14	07-Mar-14	121	\$10,000.00																																		PIP Utility: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2						
3N.00.70920	PIP utility Complete: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2	0		07-Mar-14	121	\$0.00																																		PIP utility Complete: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2						
Fairfax Water																																														
Utility Relocations																																														
Water																																														
3N.00.70810	Design Utility: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11	40	03-Jul-12	28-Aug-12	72	\$0.00																																	Design Utility: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11							
3N.00.70820	VDOT Review Utility Design: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11	21	29-Aug-12	18-Sep-12	107	\$0.00																																	VDOT Review Utility Design: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11							
3N.00.70830	Construct Utility: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11	50	19-Sep-12	10-Dec-12	64	\$95,000.00																																	Construct Utility: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11							
3N.00.70250	Relocation of utility Complete: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11	0		10-Dec-12	64	\$0.00																																	Relocation of utility Complete: 8" DIP + 20" Casing @ St.1372+25 (3N.1.HOT) - FW-11							
3N.00.70990	PIP Utility: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) - FW-10	5	19-Sep-13	26-Sep-13	0	\$10,000.00																																	PIP Utility: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) - FW-10							
3N.00.70980	PIP utility Complete: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) - FW-10	0		26-Sep-13	0	\$0.00																																	PIP utility Complete: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) - FW-10							
3N.00.70910	PIP Utility: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - FW-9	5	03-Mar-14	07-Mar-14	121	\$10,000.00																																	PIP Utility: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - FW-9							
3N.00.70950	PIP Utility: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9	5	03-Mar-14	07-Mar-14	121	\$10,000.00																																	PIP Utility: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9							
3N.00.70900	PIP utility Complete: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - FW-9	0		07-Mar-14	121	\$0.00																																	PIP utility Complete: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - FW-9							
3N.00.70940	PIP utility Complete: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9	0		07-Mar-14	121	\$0.00																																	PIP utility Complete: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9							
Fairfax Public Works																																														
Utility Relocations																																														
Sewer																																														
3N.00.71010	PIP Utility: 30" Sanitary Sewer in Casing @ St. 1417+40 (3N.1.HOT) - DPWES-7	5	20-Sep-12	27-Sep-12	57	\$10,000.00																																	PIP Utility: 30" Sanitary Sewer in Casing @ St. 1417+40 (3N.1.HOT) - DPWES-7							
3N.00.71000	PIP utility Complete: 30" Sanitary Sewer in Casing @ St. 1417+40 (3N.1.HOT) - DPWES-7	0		27-Sep-12	57	\$0.00																																	PIP utility Complete: 30" Sanitary Sewer in Casing @ St. 1417+40 (3N.1.HOT) - DPWES-7							
3N.00.70850	PIP Utility: 60" Sanitary Sewer @ St. 1168+00 (3N.1.HOT) - DPWES-6	5	03-Apr-13	09-Apr-13	236	\$10,000.00																																	PIP Utility: 60" Sanitary Sewer @ St. 1168+00 (3N.1.HOT) - DPWES-6							
3N.00.70840	PIP Utility Complete: 60" Sanitary Sewer @ St. 1168+00 (3N.1.HOT) - DPWES-6	0		09-Apr-13	236	\$0.00																																	PIP Utility Complete: 60" Sanitary Sewer @ St. 1168+00 (3N.1.HOT) - DPWES-6							
Plantatin Pipeline																																														
Utility Relocations																																														
Gas																																														
3N.00.70870	PIP Utility: 6" Gas @ St. 1213+30 (3N.1.HOT) - PPL-1	5	01-Feb-13	07-Feb-13	55	\$10,000.00																																	PIP Utility: 6" Gas @ St. 1213+30 (3N.1.HOT) - PPL-1							
3N.00.70860	PIP Utility Complete: 6" Gas @ St. 1213+30 (3N.1.HOT) - PPL-1	0		07-Feb-13	55	\$0.00																																	PIP Utility Complete: 6" Gas @ St. 1213+30 (3N.1.HOT) - PPL-1							
Washington Gas																																														
Utility Relocations																																														
Gas																																														
3N.00.70970	PIP Utility: 24" Gas + 30" Casing @ St.1354+65 (3N.1.HOT) - WGL-10	5	19-Sep-13	26-Sep-13	0	\$10,000.00																																	PIP Utility: 24" Gas + 30" Casing @ St.1354+65 (3N.1.HOT) - WGL-10							
3N.00.70960	PIP utility Complete: 24" Gas + 30" Casing @ St.1354+65 (3N.1.HOT) - WGL-10	0		26-Sep-13	0	\$0.00																																	PIP utility Complete: 24" Gas + 30" Casing @ St.1354+65 (3N.1.HOT) - WGL-10							
3N.00.70890	PIP Utility: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WGL-9	5	03-Mar-14	07-Mar-14	121	\$10,000.00																																	PIP Utility: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WGL-9							
3N.00.70880	PIP utility Complete: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WGL-9	0		07-Mar-14	121	\$0.00																																	PIP utility Complete: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WGL-9							
Segment 4 - N. of Springfield Interchange to North Project Limits (St.1440 to St.1559)																																														
Sta 1445+00 to Sta 1559+50 North Project Limits																																														
Century Link																																														
Utility Relocations																																														
Telecommunications																																														
4.00.70100	PIP Utility: Telecommunications @ St.1458+00 (4.1.HOT) - CL-4	5	11-Mar-13	18-Mar-13	73	\$10,000.00																																PIP Utility: Telecommunications @ St.1458+00 (4.1.HOT) - CL-4								
4.00.70000	PIP utility Complete: Telecommunications @ St.1458+00 (4.1.HOT) - CL-4	0		18-Mar-13	73	\$0.00																																	PIP utility Complete: Telecommunications @ St.1458+00 (4.1.HOT) - CL-4							
Comcast																																														
Utility Relocations																																														
Cable TV																																														
4.00.70270	Design Utility: Cable OH X-ing @ St.1554+90 (4.1.HOT) - COM-13	50	03-Jul-12	12-Sep-12	315	\$0.00																																Design Utility: Cable OH X-ing @ St.1554+90 (4.1.HOT) - COM-13								
4.00.70330	Design Utility: Cable TV @ St.1558+55 (4.1.HOT) - COM-14	40	03-Jul-12	28-Aug-12	114	\$0.00																																	Design Utility: Cable TV @ St.1558+55 (4.1.HOT) - COM-14							
4.00.70130	PIP Utility: Cable TV @ St.1472+40 (4.1.HOT) - COM-12	5	20-Aug-12	24-Aug-12	112	\$10,000.00																																	PIP Utility: Cable TV @ St.1472+40 (4.1.HOT) - COM-12							
4.00.70010	PIP utility Complete: Cable TV @ St.1472+40 (4.1.HOT) - COM-12	0		24-Aug-12	112	\$0.00																																	PIP utility Complete: Cable TV @ St.1472+40 (4.1.HOT) - COM-12							

▬ Remaining Level of Effort
 ▬ Critical Remaining Work

█ Remaining Work
 ◆ Milestone

TASK filter: I95 Type of Work = Utilities.

Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Activity ID	Activity Name	Original Duration	Start	Finish	Total Float	Budgeted Total Cost	Schedule																
							2012					2013					2014				2015		
							M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
4.00.70340	VDOT Review Utility Design: Cable TV @ St.1558+55 (4.1.HOT) - COM-14	21	29-Aug-12	18-Sep-12	174	\$0.00																	
4.00.70280	VDOT Review Utility Design: Cable OH X-ing @ St.1554+90 (4.1.HOT) - COM-13	21	13-Sep-12	03-Oct-12	463	\$0.00																	
4.00.70350	Construct Utility: Cable TV @ St.1558+55 (4.1.HOT) - COM-14	35	19-Sep-12	13-Nov-12	104	\$70,000.00																	
4.00.70290	Construct Utility: Cable OH X-ing @ St.1554+90 (4.1.HOT) - COM-13	40	04-Oct-12	10-Dec-12	283	\$75,000.00																	
4.00.70090	Relocation of utility Complete: Cable TV @ St.1558+55 (4.1.HOT) - COM-14	0		13-Nov-12	104	\$0.00																	
4.00.70070	Relocation of utility Complete: Cable OH X-ing @ St.1554+90 (4.1.HOT) - COM-13	0		10-Dec-12	283	\$0.00																	
Dominion Virginia Power - Distribution							Utility Relocations																
Underground Electrical																							
4.00.70160	PIP Utility: Underground crossing @ St.1483+80 (4.1.HOT) - DOMD-24	5	31-Jul-12	06-Aug-12	208	\$10,000.00																	
4.00.70190	PIP Utility: Underground crossing @ St.1483+90 (4.1.HOT) - DOMD-25	5	20-Aug-12	24-Aug-12	112	\$10,000.00																	
4.00.70030	PIP utility Complete: Underground crossing @ St.1483+90 (4.1.HOT) - DOMD-25	0		24-Aug-12	112	\$0.00																	
4.00.70020	PIP utility Complete: Underground crossing @ St.1483+80 (4.1.HOT) - DOMD-24	0		18-Mar-13	73	\$0.00																	
Overhead Electrical																							
4.00.70240	Design Utility: OH X-ing @ St.1554+80 (4.1.HOT) - DOMD-26	50	31-Jul-12	10-Oct-12	291	\$0.00																	
4.00.70250	VDOT Review Utility Design: OH X-ing @ St.1554+80 (4.1.HOT) - DOMD-26	21	11-Oct-12	31-Oct-12	428	\$0.00																	
4.00.70260	Construct Utility: OH X-ing @ St.1554+80 (4.1.HOT) - DOMD-26	45	01-Nov-12	15-Jan-13	261	\$85,000.00																	
4.00.70060	Relocation of utility Complete: OH X-ing @ St.1554+80 (4.1.HOT) - DOMD-26	0		15-Jan-13	261	\$0.00																	
Fairfax Water							Utility Relocations																
Water																							
4.00.70300	PIP Utility: 20" @ St.1558+50 (4.1.HOT) - FW-17	5	24-Dec-12	02-Jan-13	76	\$10,000.00																	
4.00.70230	PIP Utility: 30" DIP @ St.1530+55 (4.1.HOT) - FW-16	5	28-Dec-12	04-Jan-13	41	\$10,000.00																	
4.00.70080	PIP utility Complete: 20" @ St.1558+50 (4.1.HOT) - FW-17	0		02-Jan-13	76	\$0.00																	
4.00.70050	PIP Utility Complete: 30" DIP @ St.1530+55 (4.1.HOT) - FW-16	0		04-Jan-13	41	\$0.00																	
4.00.70370	PIP Utility: 16" PCCP in 24" Casing @ St. 1497+45 (4.1.HOT) - FW-15	5	24-May-13	03-Jun-13	121	\$10,000.00																	
4.00.70360	PIP Utility Complete: 16" PCCP in 24" Casing @ St. 1497+45 (4.1.HOT) - FW-15	0		03-Jun-13	121	\$0.00																	
Fairfax Public Works							Utility Relocations																
Sewer																							
4.00.70220	PIP Utility: 18" Sanitary in Casing @ St.1530+60 (4.1.HOT) - DPWES-10	5	28-Dec-12	04-Jan-13	41	\$10,000.00																	
4.00.70040	PIP Utility Complete: 18" Sanitary in Casing @ St.1530+60 (4.1.HOT) - DPWES-10	0		04-Jan-13	41	\$0.00																	
4.00.70390	PIP Utility: 18" Sanitary in Casing @ St. 1507+00 (4.1.HOT) - DPWES-9	5	24-May-13	03-Jun-13	121	\$10,000.00																	
4.00.70380	PIP Utility Complete: 18" Sanitary in Casing @ St. 1507+00 (4.1.HOT) - DPWES-9	0		03-Jun-13	121	\$0.00																	
4.00.70410	PIP Utility: 18" Sanitary in Casing @ St. 1507+00 (4.1.HOT) - DPWES-11	5	09-Aug-13	16-Aug-13	121	\$10,000.00																	
4.00.70400	PIP Utility Complete: 10" Sanitary in Casing @ St. 1563+10 (4.1.HOT) - DPWES-11	0		16-Aug-13	121	\$0.00																	

Remaining Level of Effort
 Critical Remaining Work
 Remaining Work
 Milestone

TASK filter: I95 Type of Work = Utilities.
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Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule	cjc	jh

Calendars

Attachment A - Calendars	
Calendar Name	Default
VDOT(0) - Std 5d week VDOT Holidays <i>This is the standard administrative Calendar; it is utilized for all "office" work, is on a 5 day work week and includes all standard VDOT holidays.</i>	Yes
VDOT(1) - 7d week no Holidays <i>7 day a week Calendar use when "Calendar Day" durations are required.</i>	No
VDOT(2) - Construction Std 5d week + Rain days <i>This is the standard construction Calendar; it is utilized for miscellaneous construction work that is not temperature sensitive, includes weather days, is on a 5 day work week and includes all standard VDOT holidays.</i>	No
VDOT(3) - Earthwork <i>Calendar used by all earthmoving activities. Based on the Construction Calendar, is has no work from late November to Mid March. This Calendar is on a 5 day work week and includes all standard VDOT holidays.</i>	No
VDOT(4d) - Paving (base & intermediate) <i>This Calendar is utilized for all Asphalt Paving daytime activities with work suspended from late November to Mid March. This Calendar is on a 5 day work week and includes all standard VDOT holidays.</i>	No
VDOT(5) - Bridge Deck Pours <i>This Calendar is utilized for Bridge Deck concrete pour activities with work suspended from late December to late February. This Calendar is on a 5 day work week and includes all standard VDOT holidays.</i>	No
VDOT(4n) - Paving (surface) <i>This Calendar is utilized for all nighttime Asphalt Paving activities with work suspended from the first week in November to the middle of April. This Calendar is on a 5 day work week and includes all standard VDOT holidays.</i>	No
VDOT(6) - MOT Operations <i>This Calendar is utilized for Maintenance of Traffic activities with work suspended for the months of January and February. This Calendar is on a 5 day work week and includes all standard VDOT holidays.</i>	No
VDOT(7) - Bridge Painting <i>This Calendar is utilized for Bridge Painting activities with work suspended from early November to late March. This Calendar is on a 5 day work week and includes all standard VDOT holidays.</i>	No
VDOT(3a) - Fish Spawn Limits <i>This Calendar is utilized for all activities that could impact the spawning in the Aquia Creek. Work is suspended from mid February to the end of June. This Calendar is on a 5 day work week and includes all standard VDOT holidays.</i>	No



Attachment B - Work Breakdown Structure

WBS Code	WBS Name	Total Activities	Total Cost
V2DV	I-95 HOT Lanes	2787	\$691,147,569.00
V2DV.0	Project Wide	259	\$236,162,202.00
V2DV.0.1	Milestones	18	\$4,453,364.00
V2DV.0.2	Design & Project Deliverables	133	\$50,805,031.00
V2DV.0.3	Project Management	108	\$180,903,807.00
V2DV.1	Segment 1 - Garrisonville Rd to N. of Quantico Creek (St.15 to St.449)	764	\$181,661,200.00
V2DV.1.0	Design	209	\$14,560,000.00
V2DV.1.1	Work Area Garrisonville Rd to Aquia Crk	112	\$28,028,600.00
V2DV.1.1.sb	SB Lanes St. 20+00 to 69+00	4	\$469,000.00
V2DV.1.1.ghs	Ramp GHS SB HOT Lanes to SB Lanes	43	\$12,187,000.00
V2DV.1.1.b72a	Bridge: Ramp GHS over SB Lanes (B72A)	28	\$5,005,100.00
V2DV.1.1.hot	HOT lanes St.82+92 to Aquia Crk	29	\$9,808,500.00
V2DV.1.1.nb	NB Lanes St. 91+00 to Aquia Crk	4	\$484,000.00
V2DV.1.2	Work Area Aquia Crk to Chopawamsic Crk	140	\$56,534,200.00
V2DV.1.2.b72	Bridge HOT Lanes over Aquia Crk (B72)	25	\$2,396,100.00
V2DV.1.2.hot	HOT lanes Aquia Crk to Chopawamsic Crk	27	\$37,667,000.00
V2DV.1.2.nb	NB Lanes Aquia Crk to 134+00	17	\$8,129,000.00
V2DV.1.2.b71	Telegraph Rd over I95	33	\$3,990,100.00
V2DV.1.2.TelRd	Telegraph Rd	30	\$4,202,000.00
V2DV.1.3	Work Area Chopawamsic Crk to Joplin Rd	110	\$36,987,200.00
V2DV.1.3.b70	Bridge HOT Lanes over Chopawamsic Crk (B70)	24	\$1,880,100.00
V2DV.1.3.b69	Bridge HOT Lanes over Russel Rd (B69)	26	\$2,969,100.00
V2DV.1.3.hot	HOT lanes Chopawamsic Crk to Joplin Rd	49	\$31,928,000.00
V2DV.1.4	Work Area Joplin Rd to Segment 1 Limits	190	\$43,120,200.00
V2DV.1.4.sb	SB Lanes Joplin Rd to St.420+00	2	\$66,000.00
V2DV.1.4.jhs	Ramp JHS SB HOT Lanes to SB Lanes	37	\$10,276,000.00
V2DV.1.4.b67a	Bridge: Ramp JHS over SB Lanes (B67A)	33	\$5,655,100.00
V2DV.1.4.hot	HOT lanes Joplin Rd to Seg 1 N. Limits	74	\$23,536,000.00
V2DV.1.4.b67	Bridge (existing) HOT Lanes over Quantico Crk (B67)	2	\$0.00
V2DV.1.4.b67b	Bridge (existing) NB GP Lanes over Quantico Crk (B67b)	3	\$18,000.00
V2DV.1.4.b68	Bridge HOT Lanes over Joplin Rd (B68)	29	\$3,439,100.00
V2DV.2	Segment 2 - N. Of Quantico Creek to N. of Prince William Pkwy (St.449 to St.824)	352	\$52,379,367.00
V2DV.2.0	Design Segment 2	61	\$7,617,000.00
V2DV.2.1	Work Area St. Quantico Crk to Neabsco Crk	125	\$21,179,367.00
V2DV.2.1.hot	HOT Lanes Quantico Crk to Neabsco Crk	122	\$21,179,367.00
V2DV.2.1.b65	Bridge (existing) HOT Lanes over Powells Crk (B65)	3	\$0.00
V2DV.2.2	Work Area Neabsco Crk to Segment 2 N. Limits	161	\$23,177,000.00
V2DV.2.2.b63a	Bridge (existing) NB GP Lanes over Neabsco Crk (B63a)	5	\$336,000.00

Attachment B - Work Breakdown Structure

WBS Code	WBS Name	Total Activities	Total Cost
V2DV.2.2.b63	Bridge (existing) HOT Lanes over Neabsco Crk (B63)	2	\$0.00
V2DV.2.2.hot	HOT Lanes Neabsco Crk to St. 824+00	134	\$20,298,000.00
V2DV.2.2.osh	Ramp OSH SB to HOT Lanes	8	\$1,317,000.00
V2DV.2.2.b60b	Bridge (existing) NB Flyover over I-95 NB (B60b)	2	\$0.00
V2DV.2.2.b60a	Bridge (existing) SB Flyover over I-95 SB (B60a)	2	\$0.00
V2DV.2.2.pwhn	Ramp PWHN HOT to NB Lanes	8	\$1,226,000.00
V2DV.3S	Segment 3S - N. Of Prince William Parkway to Accotink Crk (St.824 to St.1171)	583	\$66,697,200.00
V2DV.3S.0	Design Segment 3 South	55	\$8,002,000.00
V2DV.3S.1	Work Area N. of Prince William Pkwy to Occoquan Rd	80	\$11,853,000.00
V2DV.3S.1.hot	HOT Lanes N. of Prince William Pkwy to Occoquan Rd	55	\$10,014,000.00
V2DV.3S.1.pwsh	Ramp PWSH HOT Lanes	25	\$1,839,000.00
V2DV.3S.2	Occoquan Rd to Occoquan River	59	\$6,217,000.00
V2DV.3S.2.b59	Bridge (existing) HOT Lanes over Occoquan Rd (B59)	3	\$0.00
V2DV.3S.2.hot	HOT Lanes Occoquan Rd to Occoquan River	54	\$5,324,000.00
V2DV.3S.2.b57a	Bridge (existing) HOT Flyover to Route 123 (B57a)	2	\$893,000.00
V2DV.3S.3	Occoquan River to Furnace Rd	65	\$3,136,000.00
V2DV.3S.3.b57	Bridge (existing) HOT Lanes over Occoquan River (B57)	3	\$892,000.00
V2DV.3S.3.hot	HOT Lanes Occoquan River to Furnace Rd	62	\$2,244,000.00
V2DV.3S.4	Furnace Rd to Bridge 54	90	\$5,527,100.00
V2DV.3S.4.b56	Bridge (existing) HOT Lanes over Furnace Rd - widening (B56)	32	\$1,099,100.00
V2DV.3S.4.hot	HOT Lanes Furnace Rd to Bridge 54	49	\$2,416,000.00
V2DV.3S.4.rish	Ramp RISH SB Lanes to HOT Lanes	9	\$2,012,000.00
V2DV.3S.5	Bridge 54 to Lorton Rd	133	\$15,553,100.00
V2DV.3S.5.b54	Bridge (existing) HOT Lanes over Ramp I-C - widening (B54)	31	\$1,670,100.00
V2DV.3S.5.hot	HOT Lanes Bridge 54 to Lorton Rd	87	\$12,250,000.00
V2DV.3S.5.riss	Ramp RISS/RIHS to Richmond Hwy	9	\$722,000.00
V2DV.3S.5.rihn	Ramp RIHN from Richmond Hwy to HOT Lanes	6	\$911,000.00
V2DV.3S.6	Lorton Rd to Pohick Crk	45	\$6,191,000.00
V2DV.3S.6.b53	Bridge (existing) HOT Lanes over Lorton Rd (B53)	3	\$892,000.00
V2DV.3S.6.hot	HOT Lanes Lorton Rd to Pohick Crk	42	\$5,299,000.00
V2DV.3S.7	Pohick Crk to Accotink Crk	51	\$9,812,000.00
V2DV.3S.7.b52b	Bridge (existing) SB GP Lanes over Pohick Crk (B52b)	2	\$893,000.00
V2DV.3S.7.hot	HOT Lanes Pohick Crk to Accotink Crk	49	\$8,919,000.00
V2DV.3N	Segment 3N - Accotink Crk to N. Springfield Interchange (St.1171 to St.1440)	547	\$93,702,100.00
V2DV.3N.0	Design Segment 3 North	87	\$16,386,000.00
V2DV.3N.1	Accotink Crk to Segment Limits	455	\$76,910,100.00
V2DV.3N.1.hot	HOT Lanes Accotink Crk to Bridge 32	124	\$40,331,000.00

Attachment B - Work Breakdown Structure

WBS Code	WBS Name	Total Activities	Total Cost
V2DV.3N.1.fxn	Ramp FXNH NB to HOT Lanes	36	\$1,667,000.00
V2DV.3N.1.fxe	Ramp FXEH/S Fairfax Co Pkwy to/from HOT/SB Lanes	136	\$12,336,000.00
V2DV.3N.1.b49a	Bridge Ramp FXEH over SB Lanes (B49A)	30	\$5,406,100.00
V2DV.3N.1.b50	Bridge HOT Lanes over Accotink Crk (B50)	3	\$892,000.00
V2DV.3N.1.alban	Alban Rd	2	\$109,000.00
V2DV.3N.1.fshn	Ramp FSHN HOT lanes to/from Franconia Springfield Pkwy	25	\$3,964,000.00
V2DV.3N.1.fsewh	Ramp FSEWH HOT lanes to/from Franconia Springfield Pkwy	21	\$4,041,000.00
V2DV.3N.1.b48b	Bridge HOT Flyover I-95 NB Lanes (B48B)	2	\$896,000.00
V2DV.3N.1.b47	Bridge Franconia Springfield Parkway over I-95 (B47)	10	\$4,130,000.00
V2DV.3N.1.FSpkv	Franconia Springfield Parkway	14	\$385,000.00
V2DV.3N.1.b43a	Bridge (existing) Ramp OK-H over Keene Mill Rd (B43a)	2	\$893,000.00
V2DV.3N.1.frhs	Ramp FRHS SB/NB lanes to HOT lanes	47	\$968,000.00
V2DV.3N.1.frh	Ramp FRHW xxx to HOT lanes	0	\$0.00
V2DV.3N.1.sphe	Ramp SPHEW	0	\$0.00
V2DV.3N.1.b32	Bridge HOT Lanes over Norfolk Southern RR (B32)	3	\$892,000.00
V2DV.4	Segment 4 - N. of Springfield Interchange to North Project Limits (St.1440 to St.1559)	282	\$60,545,500.00
V2DV.4.0	Design Segment 4	57	\$8,170,000.00
V2DV.4.1	Sta 1445+00 to Sta 1559+50 North Project Limits	220	\$51,969,500.00
V2DV.4.1.hot	HOT Lanes Bridge 32 to St. 1537	120	\$35,129,000.00
V2DV.4.1.sphe	Ramp SPEWH	0	\$0.00
V2DV.4.1.thn	Ramp THN	37	\$10,124,500.00
V2DV.4.1.b29a	Bridge Ramp THN over I-395 NB Lanes & Rp F (B29A)	63	\$6,716,000.00

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
As Late As Possible								
3N.01.75802	Acquire ROW: Parcel 02	As Late As Possible		0		25-Apr-13	02-May-14	ROW Parcel Late Acquisition Date
3N.01.01010	Acquire ROW: Parcel 11	As Late As Possible		0		18-Sep-13	13-Nov-13	ROW Parcel Late Acquisition Date
3N.01.75982	Acquire ROW: Parcel 18	As Late As Possible		0		25-Apr-13	02-May-14	ROW Parcel Late Acquisition Date
3N.01.01000	Acquire ROW: Parcel 25	As Late As Possible		0		27-Mar-13	05-Dec-13	ROW Parcel Late Acquisition Date
4.00.70130	PIP Utility: Cable TV @ St.1472+40 (4.1.HOT) - COM-12	As Late As Possible		5	20-Aug-12	24-Aug-12	01-Mar-13	PIP Utility Late Date
3N.00.70860	PIP Utility Complete: 6" Gas @ St. 1213+30 (3N.1.HOT) - PPL-1	As Late As Possible		0		07-Feb-13	06-May-13	PIP Utility Late Date
3N.00.70840	PIP Utility Complete: 60" Sanitary Sewer @ St. 1168+00 (3N.1.HOT) - DPWES-6	As Late As Possible		0		09-Apr-13	25-Apr-14	PIP Utility Late Date
3S.00.70160	PIP Utility Complete: Gas -8" HDPE + 10" Steel Casingg @ St.1055.55 (3S.5.HOT) - LES-1	As Late As Possible		0		04-Feb-14	04-Aug-14	PIP Utility Late Date
3S.00.70850	PIP utility Complete: 10" FM in Casing @ St.1048+05(3S.5.HOT) - DPWES-2	As Late As Possible		0		04-Feb-14	04-Aug-14	PIP Utility Late Date
4.00.70400	PIP Utility Complete: 10" Sanitary in Casing @ St. 1563+10 (4.1 HOT) - DPWES-11	As Late As Possible		0		16-Aug-13	06-Mar-14	PIP Utility Late Date
3N.00.70900	PIP utility Complete: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - FW-9	As Late As Possible		0		07-Mar-14	16-Sep-14	PIP Utility Late Date
4.00.70360	PIP Utility Complete: 16" PCCP in 24" Casing @ St. 1497+45 (4.1 HOT) - FW-15	As Late As Possible		0		03-Jun-13	16-Dec-13	PIP Utility Late Date
4.00.70380	PIP Utility Complete: 18" Sanitary in Casing @ St. 1507+00 (4.1 HOT) - DPWES-9	As Late As Possible		0		03-Jun-13	16-Dec-13	PIP Utility Late Date
4.00.70040	PIP Utility Complete: 18" Sanitary	As Late As Possible		0		04-Jan-13	14-Mar-13	PIP Utility Late Date

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
4.00.70080	PIP utility Complete: 20" @ St.1558+50 (4.1.HOT) - FW-17	As Late As Possible		0		02-Jan-13	03-May-13	PIP Utility Late Date
3N.00.70980	PIP utility Complete: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) - FW-10	As Late As Possible		0		26-Sep-13	26-Sep-13	PIP Utility Late Date
3N.00.70960	PIP utility Complete: 24" Gas + 30" Casing @ St.1354+65 (3N.1.HOT) - WGL-10	As Late As Possible		0		26-Sep-13	26-Sep-13	PIP Utility Late Date
4.00.70050	PIP Utility Complete: 30" DIP @ St.1530+55 (4.1.HOT) - FW-16	As Late As Possible		0		04-Jan-13	14-Mar-13	PIP Utility Late Date
3S.00.70910	PIP utility Complete: 30" Gas Line + 36" Steel Casing @ 1033+80 (3S.4.HOT) - WGL-6	As Late As Possible		0		09-Apr-13	16-Aug-13	PIP Utility Late Date
3N.00.71000	PIP utility Complete: 30" Sanitary Sewer in Casing @ St. 1417+40 (3N.1.HOT) - DPWES-7	As Late As Possible		0		27-Sep-12	02-Jan-13	PIP Utility Late Date
3S.00.70890	PIP utility Complete: 36" Gas Line + 42" Steel Casing @ 1033+75 (3S.4.HOT) - DTI-2	As Late As Possible		0		09-Apr-13	16-Aug-13	PIP Utility Late Date
3N.00.70880	PIP utility Complete: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) - WGL-9	As Late As Possible		0		07-Mar-14	16-Sep-14	PIP Utility Late Date
4.00.70010	PIP utility Complete: Cable TV @ St.1472+40 (4.1.HOT) - COM-12	As Late As Possible		0		24-Aug-12	01-Mar-13	PIP Utility Late Date
2.00.70430	PIP Utility Complete: Cable TV @ St.632+10 (2.1.HOT) - COM3	As Late As Possible		0		18-Mar-13	05-Aug-14	PIP Utility Late Date
2.00.70400	PIP Utility Complete: electric X-ing @ St.566+90 (2.1.HOT) - DOMD-10	As Late As Possible		0		18-Mar-13	05-Aug-14	PIP Utility Late Date
1.00.70920	PIP Utility Complete: Gas Main (16") St. 365+10 (1.4 HOT) - CG-1	As Late As Possible		0		18-Sep-12	17-Dec-12	PIP Utility Late Date
3N.00.70940	PIP utility Complete: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9	As Late As Possible		0		07-Mar-14	16-Sep-14	PIP Utility Late Date

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
3S.00.70960	PIP utility Complete: Sanitary Sewer @ 1117+15 (3S.4.HOT) - DPWES-4	As Late As Possible		0		03-Dec-13	05-Jun-14	PIP Utility Late Date
1.00.70910	PIP Utility Complete: sanitary sewer @ St.385+00 (1.4 HOT) - PWSCA-1	As Late As Possible		0		15-Mar-13	06-Mar-14	PIP Utility Late Date
2.00.70960	PIP utility Complete: sanitary sewer @ St.761+80 (2.2.HOT) PWCSA-15	As Late As Possible		0		04-Jan-13	28-Apr-14	PIP Utility Late Date
3N.00.70920	PIP utility Complete: Telecommunications @ St. 1330+70 (3N.1.HOT) - CL-2	As Late As Possible		0		07-Mar-14	16-Sep-14	PIP Utility Late Date
3N.00.70230	PIP utility Complete: Telecommunications @ St.1251+80 (3N.1.HOT) - CL-1	As Late As Possible		0		04-Feb-13	26-Mar-13	PIP Utility Late Date
4.00.70000	PIP utility Complete: Telecommunications @ St.1458+00 (4.1.HOT) -CL-4	As Late As Possible		0		18-Mar-13	10-Jul-13	PIP Utility Late Date
3S.00.70090	PIP utility Complete: Telecommunications @ St.944+20 (3S.3.HOT) - VRZ-12	As Late As Possible		0		09-Apr-13	16-Sep-13	PIP Utility Late Date
4.00.70020	PIP utility Complete: Underground crossing @ St.1483+80 (4.1.HOT) - RAMP 24	As Late As Possible		0		18-Mar-13	10-Jul-13	PIP Utility Late Date
4.00.70030	PIP utility Complete: Underground crossing @ St.1483+90 (4.1.HOT) - RAMP 25	As Late As Possible		0		24-Aug-12	01-Mar-13	PIP Utility Late Date
1.00.70150	PIP Utility Complete: water main @ St.385+00 (1.4.HOT) - PWSCA-2	As Late As Possible		0		15-Mar-13	06-Mar-14	PIP Utility Late Date
2.00.70850	PIP Utility Complete: water main @ St.566+90 (2.1.HOT) - PWSCA-8	As Late As Possible		0		18-Mar-13	05-Aug-14	PIP Utility Late Date
2.00.70070	PIP utility Complete: water main @ St.671+95 (2.2.HOT) - RAMP 1	As Late As Possible		0		31-Dec-12	23-Apr-14	PIP Utility Late Date

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
2.00.70940	PIP utility Complete: water main @ St.761+80 (2.2.HOT)	As Late As Possible		0		04-Jan-13	28-Apr-14	PIP Utility Late Date
3S.00.70000	PIP utility Complete: water main @ St.849+40 (3S.1.HOT) - PWSCA-14	As Late As Possible		0		08-Jul-13	30-Dec-13	PIP Utility Late Date
3S.00.70820	PIP Utility: 10" FM in Casing @ St.1048+05(3S.5.HOT) - DPWES-2	As Late As Possible		5	28-Jan-14	04-Feb-14	04-Aug-14	PIP Utility Late Date
4.00.70300	PIP Utility: 20" @ St.1558+50 (4.1.HOT) - FW-17	As Late As Possible		5	24-Dec-12	02-Jan-13	03-May-13	PIP Utility Late Date
3N.00.70870	PIP Utility: 6" Gas @ St. 1213+30 (3N.1.HOT) - PPL-1	As Late As Possible		5	01-Feb-13	07-Feb-13	06-May-13	PIP Utility Late Date
3N.00.70850	PIP Utility: 60" Sanitary Sewer @ St. 1168+00 (3N.1.HOT) - DPWES-6	As Late As Possible		5	03-Apr-13	09-Apr-13	25-Apr-14	PIP Utility Late Date
4.00.70100	PIP Utility: Telecommunications @ St.1458+00 (4.1.HOT) - CL-4	As Late As Possible		5	11-Mar-13	18-Mar-13	10-Jul-13	PIP Utility Late Date
3S.00.70490	PIP Utility: Telecommunications @ St.944+20 (3S.3.HOT) -	As Late As Possible		5	03-Apr-13	09-Apr-13	16-Sep-13	PIP Utility Late Date
4.00.70190	PIP Utility: Underground crossing @ St.1483+90 (4.1.HOT) - DOMD-25	As Late As Possible		5	20-Aug-12	24-Aug-12	01-Mar-13	PIP Utility Late Date
3N.00.70910	PIP Utility: 12" CIP/DIP + 20" Casing @ St. 1319+65 (3N.1.HOT) - FW-9	As Late As Possible		5	03-Mar-14	07-Mar-14	16-Sep-14	PIP Utility Late Date
4.00.70370	PIP Utility: 16" PCCP in 24" Casing @ St. 1497+45 (4.1 HOT) - FW-15	As Late As Possible		5	24-May-13	03-Jun-13	16-Dec-13	PIP Utility Late Date
4.00.70410	PIP Utility: 18" Sanitary in Casing @ St. 1507+00 (4.1 HOT) - DPWES-11	As Late As Possible		5	09-Aug-13	16-Aug-13	06-Mar-14	PIP Utility Late Date
4.00.70390	PIP Utility: 18" Sanitary in Casing @ St. 1507+00 (4.1 HOT) - DPWES-9	As Late As Possible		5	24-May-13	03-Jun-13	16-Dec-13	PIP Utility Late Date
4.00.70220	PIP Utility: 18" Sanitary in Casing @ St.1530+60 (4.1.HOT) -	As Late As Possible		5	28-Dec-12	04-Jan-13	14-Mar-13	PIP Utility Late Date

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
3N.00.70990	PIP Utility: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) - FW-10	As Late As Possible		5	19-Sep-13	26-Sep-13	26-Sep-13	PIP Utility Late Date
3N.00.70970	PIP Utility: 24" Gas + 30" Casing @ St.1354+65 (3N.1.HOT) - WGL-10	As Late As Possible		5	19-Sep-13	26-Sep-13	26-Sep-13	PIP Utility Late Date
3S.00.70400	PIP Utility: 24" sanitary force sewer main @ St.929+80 (3S.2.HOT) - PWCSA-21	As Late As Possible		5	31-Jul-12	06-Aug-12	16-Sep-13	PIP Utility Late Date
4.00.70230	PIP Utility: 30" DIP @ St.1530+55 (4.1.HOT) - FW-16	As Late As Possible		5	28-Dec-12	04-Jan-13	14-Mar-13	PIP Utility Late Date
3S.00.70900	PIP Utility: 30" Gas Line + 36" Steel Casing @ 1033+80 (3S.4.HOT) - WGL-6	As Late As Possible		5	03-Apr-13	09-Apr-13	16-Aug-13	PIP Utility Late Date
3N.00.71010	PIP Utility: 30" Sanitary Sewer in Casing @ St. 1417+40 (3N.1.HOT) - DPWES-7	As Late As Possible		5	20-Sep-12	27-Sep-12	02-Jan-13	PIP Utility Late Date
3S.00.70880	PIP Utility: 36" Gas Line + 42" Steel Casing @ 1033+75 (3S.4.HOT) - DTI-2	As Late As Possible		5	03-Apr-13	09-Apr-13	16-Aug-13	PIP Utility Late Date
3N.00.70890	PIP Utility: 6" Gas + 12" Casing @ St. 1319+40 (3N.1.HOT) -	As Late As Possible		5	03-Mar-14	07-Mar-14	16-Sep-14	PIP Utility Late Date
2.00.70420	PIP Utility: Cable TV @ St.632+10 (2.1.HOT) - COM3	As Late As Possible		5	11-Mar-13	18-Mar-13	05-Aug-14	PIP Utility Late Date
2.00.70390	PIP Utility: electric X-ing @ St.566+90 (2.1.HOT) - DOMD-10	As Late As Possible		5	11-Mar-13	18-Mar-13	05-Aug-14	PIP Utility Late Date
3S.00.70680	PIP Utility: Gas -8" HDPE + 10" Steel Casing @ St.1055.55 (3S.5.HOT) - LES-1	As Late As Possible		5	28-Jan-14	04-Feb-14	04-Aug-14	PIP Utility Late Date
1.00.70840	PIP Utility: Gas Main (16") St. 365+10 (1.4 HOT) - CG-1	As Late As Possible		5	11-Sep-12	18-Sep-12	17-Dec-12	PIP Utility Late Date
3N.00.70950	PIP Utility: Hydrant / Line @ St. 1334+80 (3N.1.HOT) - FW-9	As Late As Possible		5	03-Mar-14	07-Mar-14	16-Sep-14	PIP Utility Late Date
3S.00.70950	PIP Utility: Sanitary Sewer @ 1117+15 (3S.4.HOT) -	As Late As Possible		5	22-Nov-13	03-Dec-13	05-Jun-14	PIP Utility Late Date

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
1.00.70140	PIP utility: Sanitary Sewer @ St.385+00 (1.4.HOT) - PWSCA-1	As Late As Possible		5	08-Mar-13	15-Mar-13	06-Mar-14	PIP Utility Late Date
2.00.70950	PIP Utility: sanitary sewer @ St.762+05 (2.2.HOT) - PWCSA-15	As Late As Possible		5	28-Dec-12	04-Jan-13	28-Apr-14	PIP Utility Late Date
3S.00.70740	PIP Utility: Sanitary Sewer @ St.849+80 (3S.1.HOT) - PWSCA-17	As Late As Possible		5	03-Jul-12	10-Jul-12	20-Dec-13	PIP Utility Late Date
3N.00.70930	PIP Utility: Telecommunications @ St. 1330+70 (3N.1.HOT) -	As Late As Possible		5	03-Mar-14	07-Mar-14	16-Sep-14	PIP Utility Late Date
3N.00.70750	PIP Utility: Telecommunications @ St.1251+80 (3N.1.HOT) - CL-1	As Late As Possible		5	28-Jan-13	04-Feb-13	26-Mar-13	PIP Utility Late Date
1.00.70570	PIP Utility: water main @ St.385+00 (1.4.HOT) - PWSCA-2	As Late As Possible		5	08-Mar-13	15-Mar-13	06-Mar-14	PIP Utility Late Date
2.00.70840	PIP Utility: water main @ St.566+90 (2.1.HOT) - PWSCA-8	As Late As Possible		5	11-Mar-13	18-Mar-13	05-Aug-14	PIP Utility Late Date
2.00.70500	PIP Utility: water main @ St.671+95 (2.2.HOT) - VDOT-4	As Late As Possible		5	21-Dec-12	31-Dec-12	23-Apr-14	PIP Utility Late Date
2.00.70570	PIP Utility: water main @ St.717+90 (2.2.HOT) - PWCSA-12	As Late As Possible		5	31-Jul-12	06-Aug-12	23-Apr-14	PIP Utility Late Date
2.00.70930	PIP Utility: water main @ St.761+80 (2.2.HOT) - PWCSA-14	As Late As Possible		5	28-Dec-12	04-Jan-13	28-Apr-14	PIP Utility Late Date
3S.00.70220	PIP Utility: water main @ St.849+40 (3S.1.HOT) - PWSCA-16	As Late As Possible		5	01-Jul-13	08-Jul-13	30-Dec-13	PIP Utility Late Date
4.01.60060	Procure Panels (SWP14)	As Late As Possible		74	25-Apr-13	08-Aug-13	27-Feb-14	Procurement Item: Cashflow Modeling
4.01.60050	Procure Panels (SWP15)	As Late As Possible		152	10-Jan-13	16-Aug-13	18-Mar-14	Procurement Item: Cashflow Modeling
4.01.60040	Procure Panels (SWP16)	As Late As Possible		90	10-Jan-13	20-May-13	04-Dec-13	Procurement Item: Cashflow Modeling
3N.01.60010	Procure Panels (SWP17)	As Late As Possible		63	04-Dec-13	07-Mar-14	16-Sep-14	Procurement Item: Cashflow Modeling

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
3S.07.60150	Procure Panels (SWP18)	As Late As Possible		92	13-Mar-13	22-Jul-13	15-May-14	Procurement Item: Cashflow Modeling
3S.05.60110	Procure Panels (SWP19)	As Late As Possible		53	14-Nov-13	04-Feb-14	04-Aug-14	Procurement Item: Cashflow Modeling
3S.01.60080	Procure Panels (SWP21)	As Late As Possible		46	27-Feb-14	01-May-14	30-Oct-14	Procurement Item: Cashflow Modeling
3S.01.63280	Procure Panels (SWP22)	As Late As Possible		82	13-Mar-13	08-Jul-13	30-Dec-13	Procurement Item: Cashflow Modeling
2.02.60050	Procure Panels (SWP24)	As Late As Possible		58	08-Feb-13	01-May-13	29-Jan-14	Procurement Item: Cashflow Modeling
2.01.52820	Procure Panels (SWP29)	As Late As Possible		64	14-Mar-13	12-Jun-13	01-Nov-13	Procurement Item: Cashflow Modeling
1.45.51030	Procure Panels (SWP30)	As Late As Possible		63	17-Oct-13	22-Jan-14	03-Mar-14	Procurement Item: Cashflow Modeling
1.04.52800	Procure Panels (SWP31)	As Late As Possible		79	23-Jul-13	13-Nov-13	24-Dec-13	Procurement Item: Cashflow Modeling
3S.07.60160	Procure Panels (SWP31-3)	As Late As Possible		33	06-Aug-13	20-Sep-13	19-Mar-14	Procurement Item: Cashflow Modeling
3S.05.60100	Procure Panels (SWP32)	As Late As Possible		29	05-Aug-13	13-Sep-13	12-Mar-14	Procurement Item: Cashflow Modeling
3S.02.60080	Procure Panels (SWP33)	As Late As Possible		42	24-Jun-13	21-Aug-13	18-Feb-14	Procurement Item: Cashflow Modeling
1.02.55650	Procure Panels (SWP34)	As Late As Possible		62	06-Aug-13	01-Nov-13	22-Oct-14	Procurement Item: Cashflow Modeling
3S.02.60090	Procure Panels (SWP34-3)	As Late As Possible		43	28-Jan-14	28-Mar-14	25-Sep-14	Procurement Item: Cashflow Modeling
1.02.55660	Procure Panels (SWP35)	As Late As Possible		130	15-Jan-13	22-Jul-13	17-Mar-14	Procurement Item: Cashflow Modeling
2.02.60060	Procure Panels (SWP35-2)	As Late As Possible		35	17-Oct-13	09-Dec-13	10-Mar-14	Procurement Item: Cashflow Modeling
1.01.51560	Procure Panels (SWP38)	As Late As Possible		54	02-Jan-13	21-Mar-13	29-Apr-13	Procurement Item: Cashflow Modeling
1.01.51530	Procure Panels: MSE (RW01)	As Late As Possible		31	30-Oct-13	16-Dec-13	05-Mar-14	Procurement Item: Cashflow Modeling
1.01.51540	Procure Panels: MSE (RW02)	As Late As		27	11-Feb-13	20-Mar-13	14-Aug-13	Procurement Item: Cashflow

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
1.01.51550	Procure Panels: MSE (RW03)	As Late As Possible		39	05-Feb-13	01-Apr-13	13-Sep-13	Procurement Item: Cashflow Modeling
1.02.55630	Procure Panels: MSE (RW04)	As Late As Possible		26	25-Feb-13	01-Apr-13	05-Apr-13	Procurement Item: Cashflow Modeling
1.02.55640	Procure Panels: MSE (RW05)	As Late As Possible		26	12-Mar-13	16-Apr-13	29-Apr-13	Procurement Item: Cashflow Modeling
1.05.52800	Procure Panels: MSE (RW09)	As Late As Possible		26	26-Nov-12	02-Jan-13	14-Feb-13	Procurement Item: Cashflow Modeling
1.05.52810	Procure Panels: MSE (RW10)	As Late As Possible		41	26-Nov-12	25-Jan-13	18-Mar-13	Procurement Item: Cashflow Modeling
3N.01.63700	Procure Panels: MSE (RW1220-1)	As Late As Possible		37	11-Oct-12	05-Dec-12	24-Jan-13	Procurement Item: Cashflow Modeling
3N.01.63710	Procure Panels: MSE (RW1220-2)	As Late As Possible		50	15-Oct-12	27-Dec-12	06-Mar-13	Procurement Item: Cashflow Modeling
4.01.53330	Procure Panels: MSE (RW1535-1)	As Late As Possible		35	16-Nov-12	09-Jan-13	26-Aug-13	Procurement Item: Cashflow Modeling
4.01.53340	Procure Panels: MSE (RW1535-2)	As Late As Possible		30	18-Dec-12	01-Feb-13	15-Nov-13	Procurement Item: Cashflow Modeling
3N.01.53180	Procure Panels: MSE* (RW1345-1)	As Late As Possible		31	04-Sep-13	17-Oct-13	17-Oct-13	Procurement Item: Cashflow Modeling
3N.01.53200	Procure Panels: MSE* (RW1355-1)	As Late As Possible		36	17-Oct-13	10-Dec-13	10-Dec-13	Procurement Item: Cashflow Modeling
3N.01.53210	Procure Panels: MSE* (RW1355-2)	As Late As Possible		32	27-Dec-12	13-Feb-13	05-Jun-13	Procurement Item: Cashflow Modeling
1.05.52790	Procure Panels: Post & Panel (RW08)	As Late As Possible		31	26-Nov-12	09-Jan-13	15-Jul-13	Procurement Item: Cashflow Modeling
3N.01.53170	Procure Panels: Post & Panel (RW1380)	As Late As Possible		28	12-Aug-13	19-Sep-13	04-Mar-14	Procurement Item: Cashflow Modeling
4.01.53350	Procure Panels: Post & Panel (RW1535-3)	As Late As Possible		30	16-Nov-12	02-Jan-13	03-May-13	Procurement Item: Cashflow Modeling
4.01.53360	Procure Panels: Post & Panel (RW1556)	As Late As Possible		33	08-Apr-13	22-May-13	20-Sep-13	Procurement Item: Cashflow Modeling
3S.01.60060	Procure Panels: Post & Panel (RW830-1)	As Late As Possible		27	20-Mar-13	25-Apr-13	19-Sep-14	Procurement Item: Cashflow Modeling
1.02.64042	Procurement Piling: Bridge HOT	As Late As		75	16-Dec-12	28-Feb-13	04-Mar-13	Procurement Item: Cashflow

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
1.05.64062	Procurement Piling: Bridge HOT Lanes over Joplin Rd (B68)	As Late As Possible		75	27-Sep-12	10-Dec-12	13-Dec-12	Procurement Item: Cashflow Modeling
1.04.64142	Procurement Piling: Bridge HOT Lanes over Russel Rd (B69)	As Late As Possible		75	23-Aug-12	05-Nov-12	15-Nov-12	Procurement Item: Cashflow Modeling
3N.01.64712	Procurement Piling: Bridge Rp FXEH over I-95 SB Lanes (B49a)	As Late As Possible		75	16-Aug-12	29-Oct-12	07-Nov-12	Procurement Item: Cashflow Modeling
1.01.63932	Procurement Piling: Bridge Rp GHS over I-95 SB Lanes (B72A)	As Late As Possible		75	17-Nov-12	30-Jan-13	03-Feb-13	Procurement Item: Cashflow Modeling
1.05.64052	Procurement Piling: Bridge Rp JHS over I-95 SB Lanes (B67A)	As Late As Possible		75	19-Jul-12	01-Oct-12	08-Oct-12	Procurement Item: Cashflow Modeling
4.01.65162	Procurement Piling: Bridge Rp THN over I-395 NB Lanes (B29a)	As Late As Possible		75	29-Sep-12	12-Dec-12	20-Dec-12	Procurement Item: Cashflow Modeling
1.02.64052	Procurement Piling: Bridge Telegraph Rd over I-95 (B71)	As Late As Possible		75	04-Jan-13	19-Mar-13	25-Mar-13	Procurement Item: Cashflow Modeling
3S.05.64552	Procurement Piling: HOT Lanes over Furnace Rd (B56)	As Late As Possible		75	02-Feb-13	17-Apr-13	17-Apr-13	Procurement Item: Cashflow Modeling
3S.05.64562	Procurement Piling: HOT Lanes over Ramp C (B54)	As Late As Possible		75	16-Mar-13	29-May-13	07-Jul-13	Procurement Item: Cashflow Modeling
1.01.40010	Retaining Wall: Excavation MSE (RW01)	As Late As Possible		3	05-Dec-13	09-Dec-13	25-Feb-14	Minimize Erosion Control Maintenance
1.01.63992	Retaining Wall: Excavation MSE (RW02) - at Bridge Abutment	As Late As Possible		2	15-Mar-13	18-Mar-13	09-Aug-13	Minimize Erosion Control Maintenance
1.01.64792	Retaining Wall: Excavation MSE (RW02) - Roadway	As Late As Possible		1	19-Jul-13	19-Jul-13	01-Nov-13	Minimize Erosion Control Maintenance
1.01.64032	Retaining Wall: Excavation MSE (RW03) - at Bridge Abutment	As Late As Possible		2	22-Mar-13	25-Mar-13	06-Sep-13	Minimize Erosion Control Maintenance
1.01.64072	Retaining Wall: Excavation MSE (RW03) - Roadway	As Late As Possible		5	05-Aug-13	09-Aug-13	24-Oct-13	Minimize Erosion Control Maintenance
1.02.64112	Retaining Wall: Excavation MSE (RW04)	As Late As Possible		1	28-Mar-13	28-Mar-13	03-Apr-13	Minimize Erosion Control Maintenance
1.02.64152	Retaining Wall: Excavation MSE (RW05)	As Late As Possible		1	12-Apr-13	12-Apr-13	25-Apr-13	Minimize Erosion Control Maintenance
1.05.64232	Retaining Wall: Excavation MSE (RW09) - at Bridge Abutment	As Late As Possible		1	24-Dec-12	24-Dec-12	07-Feb-13	Minimize Erosion Control Maintenance
1.05.64872	Retaining Wall: Excavation MSE	As Late As Possible		1	20-Mar-13	20-Mar-13	08-Oct-13	Minimize Erosion Control

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
1.05.64272	Retaining Wall: Excavation MSE (RW10) - at Bridge Abutment	As Late As Possible		2	17-Jan-13	22-Jan-13	12-Mar-13	Minimize Erosion Control Maintenance
1.05.64912	Retaining Wall: Excavation MSE (RW10) - Roadway	As Late As Possible		5	26-Mar-13	02-Apr-13	18-Sep-13	Minimize Erosion Control Maintenance
3N.01.64313	Retaining Wall: Excavation MSE (RW1220-1) - at Bridge Abutment	As Late As Possible		2	27-Nov-12	29-Nov-12	15-Jan-13	Minimize Erosion Control Maintenance
3N.01.64392	Retaining Wall: Excavation MSE (RW1220-1) - Roadway	As Late As Possible		5	08-Feb-13	15-Feb-13	13-May-13	Minimize Erosion Control Maintenance
3N.01.64352	Retaining Wall: Excavation MSE (RW1220-2) - at Bridge Abutment	As Late As Possible		2	18-Dec-12	19-Dec-12	28-Feb-13	Minimize Erosion Control Maintenance
3N.01.64433	Retaining Wall: Excavation MSE (RW1220-2) - Roadway	As Late As Possible		8	22-Feb-13	06-Mar-13	01-May-13	Minimize Erosion Control Maintenance
3N.01.64472	Retaining Wall: Excavation MSE (RW1345-1)	As Late As Possible		3	27-Sep-13	01-Oct-13	01-Oct-13	Minimize Erosion Control Maintenance
3N.01.64512	Retaining Wall: Excavation MSE (RW1345-2)	As Late As Possible		4	30-Oct-12	05-Nov-12	06-Mar-13	Minimize Erosion Control Maintenance
3N.01.64552	Retaining Wall: Excavation MSE (RW1355-1)	As Late As Possible		4	15-Nov-13	20-Nov-13	20-Nov-13	Minimize Erosion Control Maintenance
3N.01.64592	Retaining Wall: Excavation MSE (RW1355-2)	As Late As Possible		4	23-Jan-13	28-Jan-13	20-May-13	Minimize Erosion Control Maintenance
4.01.64632	Retaining Wall: Excavation MSE (RW1535-1) - at Bridge Abutment	As Late As Possible		2	02-Jan-13	03-Jan-13	20-Aug-13	Minimize Erosion Control Maintenance
4.01.64673	Retaining Wall: Excavation MSE (RW1535-1) - Roadway	As Late As Possible		4	26-Jul-13	01-Aug-13	18-Oct-13	Minimize Erosion Control Maintenance
4.01.64713	Retaining Wall: Excavation MSE (RW1535-2) - at Bridge Abutment	As Late As Possible		2	24-Jan-13	25-Jan-13	07-Nov-13	Minimize Erosion Control Maintenance
4.01.64753	Retaining Wall: Excavation MSE (RW1535-2) - Roadway	As Late As Possible		2	01-Nov-13	04-Nov-13	13-Jan-14	Minimize Erosion Control Maintenance
1.01.63962	Retaining Wall: Levelling Pad MSE (RW01)	As Late As Possible		5	10-Dec-13	16-Dec-13	05-Mar-14	Minimize Erosion Control Maintenance
1.01.64002	Retaining Wall: Levelling Pad MSE (RW02) - at Bridge	As Late As Possible		2	19-Mar-13	20-Mar-13	13-Aug-13	Minimize Erosion Control Maintenance
1.01.64802	Retaining Wall: Levelling Pad MSE (RW02) - Roadway	As Late As Possible		1	22-Jul-13	22-Jul-13	04-Nov-13	Minimize Erosion Control Maintenance
1.01.64042	Retaining Wall: Levelling Pad	As Late As Possible		4	26-Mar-13	01-Apr-13	13-Sep-13	Minimize Erosion Control

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
1.01.64082	Retaining Wall: Levelling Pad MSE (RW03) - Roadway	As Late As Possible		12	12-Aug-13	29-Aug-13	14-Nov-13	Minimize Erosion Control Maintenance
1.02.64122	Retaining Wall: Levelling Pad MSE (RW04)	As Late As Possible		2	29-Mar-13	01-Apr-13	05-Apr-13	Minimize Erosion Control Maintenance
1.02.64162	Retaining Wall: Levelling Pad MSE (RW05)	As Late As Possible		2	15-Apr-13	16-Apr-13	29-Apr-13	Minimize Erosion Control Maintenance
1.05.64242	Retaining Wall: Levelling Pad MSE (RW09) - at Bridge	As Late As Possible		4	27-Dec-12	02-Jan-13	14-Feb-13	Minimize Erosion Control Maintenance
1.05.64882	Retaining Wall: Levelling Pad MSE (RW09) - Roadway	As Late As Possible		3	21-Mar-13	25-Mar-13	11-Oct-13	Minimize Erosion Control Maintenance
1.05.64282	Retaining Wall: Levelling Pad MSE (RW10) - at Bridge	As Late As Possible		3	23-Jan-13	25-Jan-13	18-Mar-13	Minimize Erosion Control Maintenance
1.05.64922	Retaining Wall: Levelling Pad MSE (RW10) - Roadway	As Late As Possible		20	03-Apr-13	02-May-13	21-Oct-13	Minimize Erosion Control Maintenance
3N.01.64323	Retaining Wall: Levelling Pad MSE (RW1220-1) - at Bridge	As Late As Possible		4	30-Nov-12	05-Dec-12	24-Jan-13	Minimize Erosion Control Maintenance
3N.01.64403	Retaining Wall: Levelling Pad MSE (RW1220-1) - Roadway	As Late As Possible		16	19-Feb-13	14-Mar-13	07-Jun-13	Minimize Erosion Control Maintenance
3N.01.64363	Retaining Wall: Levelling Pad MSE (RW1220-2) - at Bridge	As Late As Possible		4	20-Dec-12	27-Dec-12	06-Mar-13	Minimize Erosion Control Maintenance
3N.01.64442	Retaining Wall: Levelling Pad MSE (RW1220-2) - Roadway	As Late As Possible		30	07-Mar-13	22-Apr-13	18-Jun-13	Minimize Erosion Control Maintenance
3N.01.64482	Retaining Wall: Levelling Pad MSE (RW1345-1)	As Late As Possible		10	02-Oct-13	17-Oct-13	17-Oct-13	Minimize Erosion Control Maintenance
3N.01.64522	Retaining Wall: Levelling Pad MSE (RW1345-2)	As Late As Possible		13	06-Nov-12	29-Nov-12	26-Mar-13	Minimize Erosion Control Maintenance
3N.01.64562	Retaining Wall: Levelling Pad MSE (RW1355-1)	As Late As Possible		10	21-Nov-13	10-Dec-13	10-Dec-13	Minimize Erosion Control Maintenance
3N.01.64602	Retaining Wall: Levelling Pad MSE (RW1355-2)	As Late As Possible		10	29-Jan-13	12-Feb-13	05-Jun-13	Minimize Erosion Control Maintenance
4.01.64642	Retaining Wall: Levelling Pad MSE (RW1535-1) - at Bridge	As Late As Possible		4	04-Jan-13	09-Jan-13	26-Aug-13	Minimize Erosion Control Maintenance
4.01.64683	Retaining Wall: Levelling Pad MSE (RW1535-1) - Roadway	As Late As Possible		13	02-Aug-13	21-Aug-13	07-Nov-13	Minimize Erosion Control Maintenance
4.01.64723	Retaining Wall: Levelling Pad	As Late As		4	28-Jan-13	01-Feb-13	15-Nov-13	Minimize Erosion Control

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
4.01.64763	Retaining Wall: Levelling Pad MSE (RW1535-2) - Roadway	As Late As Possible		5	05-Nov-13	12-Nov-13	23-Jan-14	Minimize Erosion Control Maintenance
1.04.64072	Sound Wall: Place Temp Barrier & Clear (incl fill) - S of Quantico Crk (SWP30)	As Late As Possible		11	23-Jan-14	07-Feb-14	19-Mar-14	Minimize Traffic Impact & Erosion Maintenance
2.01.64112	Sound Wall: Place Temp Barrier & Clear (incl. Fill) (SWP29)	As Late As Possible		9	13-Jun-13	25-Jun-13	18-Nov-13	Minimize Traffic Impact & Erosion Maintenance
2.04.64032	Sound Wall: Place Temp Barrier & Clear (incl. Fill) - N of Quantico Crk (SWP30)	As Late As Possible		12	27-Feb-14	17-Mar-14	29-Sep-14	Minimize Traffic Impact & Erosion Maintenance
3N.01.63832	Sound Wall: Place Temp Barrier & Clear (SWP17)	As Late As Possible		9	10-Mar-14	21-Mar-14	30-Sep-14	Minimize Traffic Impact & Erosion Maintenance
3S.05.64432	Sound Wall: Place Temp Barrier & Clear (SWP19)	As Late As Possible		5	05-Feb-14	11-Feb-14	11-Aug-14	Minimize Traffic Impact & Erosion Maintenance
3S.01.64312	Sound Wall: Place Temp Barrier & Clear (SWP21)	As Late As Possible		5	02-May-14	08-May-14	06-Nov-14	Minimize Traffic Impact & Erosion Maintenance
3S.01.64272	Sound Wall: Place Temp Barrier & Clear (SWP22)	As Late As Possible		5	01-Jul-13	08-Jul-13	30-Dec-13	Minimize Traffic Impact & Erosion Maintenance
1.04.63992	Sound Wall: Place Temp Barrier & Clear (SWP31)	As Late As Possible		7	14-Nov-13	22-Nov-13	06-Jan-14	Minimize Traffic Impact & Erosion Maintenance
1.02.63952	Sound Wall: Place Temp Barrier & Clear (SWP34)	As Late As Possible		4	30-Sep-13	03-Oct-13	12-Nov-13	Minimize Traffic Impact & Erosion Maintenance
3S.02.64352	Sound Wall: Place Temp Barrier & Clear (SWP34-3)	As Late As Possible		5	31-Mar-14	04-Apr-14	02-Oct-14	Minimize Traffic Impact & Erosion Maintenance
1.02.63912	Sound Wall: Place Temp Barrier & Clear (SWP35)	As Late As Possible		6	20-May-13	28-May-13	05-Jul-13	Minimize Traffic Impact & Erosion Maintenance
2.02.64232	Sound Wall: Place Temp Barrier & Clear (SWP35-2)	As Late As Possible		5	10-Dec-13	16-Dec-13	18-Mar-14	Minimize Traffic Impact & Erosion Maintenance
1.01.63872	Sound Wall: Place Temp Barrier & Clear (SWP38)	As Late As Possible		8	22-Mar-13	03-Apr-13	09-May-13	Minimize Traffic Impact & Erosion Maintenance
2.02.64192	Sound Wall: Place Temp Barrier & Clear - N. of Neabsco Crk (SWP24)	As Late As Possible		5	20-Nov-13	26-Nov-13	03-Mar-14	Minimize Traffic Impact & Erosion Maintenance
3S.07.64592	Sound Wall: Place Temp Barrier & Clear - N. of Pohick Crk (SWP20)	As Late As Possible		5	08-Nov-13	18-Nov-13	22-May-14	Minimize Traffic Impact & Erosion Maintenance

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
3S.05.64472	Sound Wall: Place Temp Barrier & Clear - NB St.1037to1042 (SWP32)	As Late As Possible		5	16-Sep-13	20-Sep-13	19-Mar-14	Minimize Traffic Impact & Erosion Maintenance
3S.05.64512	Sound Wall: Place Temp Barrier & Clear - NB St.1057to1083 (SWP31)	As Late As Possible		5	23-Sep-13	30-Sep-13	27-Mar-14	Minimize Traffic Impact & Erosion Maintenance
3S.02.64392	Sound Wall: Place Temp Barrier & Clear - Rp NB GP to Gordon Blvd (SWP33)	As Late As Possible		5	22-Aug-13	29-Aug-13	25-Feb-14	Minimize Traffic Impact & Erosion Maintenance
2.01.64152	Sound Wall: Place Temp Barrier & Clear - S. of Neabsco Crk (SWP24)	As Late As Possible		5	25-Oct-13	01-Nov-13	05-Feb-14	Minimize Traffic Impact & Erosion Maintenance
3S.06.64552	Sound Wall: Place Temp Barrier & Clear - S. of Pohick Crk (SWP20)	As Late As Possible		5	05-Dec-13	11-Dec-13	13-Jun-14	Minimize Traffic Impact & Erosion Maintenance
4.01.64752	Sound Wall: Place Temp Barrier & Clear - St.1557to1576 (SWP14)	As Late As Possible		5	09-Aug-13	16-Aug-13	06-Mar-14	Minimize Traffic Impact & Erosion Maintenance

Finish On or Before

1.02.51260	Open Roadway to Traffic: Telegraph Rd (TelRd)	Finish On or Before		0		19-Nov-13	26-Nov-13	Contractual Agreement
0.00.00090	Project Substantial Completion	Finish On or Before		0		30-Dec-14	30-Dec-14	Contractual Requirement
2.01.65163	Swans Creek Restoration: Maintenance & Monitoring (2013)	Finish On or Before		10	01-May-13	14-May-13	31-Dec-13	

Start On or After

1.02.51250	Close Roadway to Traffic: Telegraph Rd (TelRd)	Start On or After		0	05-Mar-13			Contractual Agreement
0.00.90710	Construction Management & Indirects (Apr 2013)	Start On or After	Finish On or Before	5	01-Apr-13	05-Apr-13	30-Apr-13	Indirect Payment Modeling
0.00.90830	Construction Management & Indirects (Apr 2014)	Start On or After	Finish On or Before	5	01-Apr-14	07-Apr-14	30-Apr-14	Indirect Payment Modeling
0.00.90630	Construction Management & Indirects (Aug 2012)	Start On or After	Finish On or Before	5	01-Aug-12	07-Aug-12	31-Aug-12	Indirect Payment Modeling
0.00.90750	Construction Management & Indirects (Aug 2013)	Start On or After	Finish On or Before	5	01-Aug-13	07-Aug-13	30-Aug-13	Indirect Payment Modeling

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
0.00.90870	Construction Management & Indirects (Aug 2014)	Start On or After	Finish On or Before	5	01-Aug-14	07-Aug-14	29-Aug-14	Indirect Payment Modeling
0.00.90670	Construction Management & Indirects (Dec 2012)	Start On or After	Finish On or Before	5	03-Dec-12	07-Dec-12	31-Dec-12	Indirect Payment Modeling
0.00.90790	Construction Management & Indirects (Dec 2013)	Start On or After	Finish On or Before	5	02-Dec-13	06-Dec-13	31-Dec-13	Indirect Payment Modeling
0.00.90910	Construction Management & Indirects (Dec 2014)	Start On or After	Finish On or Before	5	01-Dec-14	05-Dec-14	30-Dec-14	Indirect Payment Modeling
0.00.90690	Construction Management & Indirects (Feb 2013)	Start On or After	Finish On or Before	5	01-Feb-13	07-Feb-13	28-Feb-13	Indirect Payment Modeling
0.00.90810	Construction Management & Indirects (Feb 2014)	Start On or After	Finish On or Before	5	03-Feb-14	07-Feb-14	28-Feb-14	Indirect Payment Modeling
0.00.91350	Construction Management & Indirects (Feb 2015)	Start On or After	Finish On or Before	5	02-Feb-15	06-Feb-15	27-Feb-15	Indirect Payment Modeling
0.00.90680	Construction Management & Indirects (Jan 2013)	Start On or After	Finish On or Before	5	02-Jan-13	08-Jan-13	31-Jan-13	Indirect Payment Modeling
0.00.90800	Construction Management & Indirects (Jan 2014)	Start On or After	Finish On or Before	5	02-Jan-14	08-Jan-14	31-Jan-14	Indirect Payment Modeling
0.00.91340	Construction Management & Indirects (Jan 2015)	Start On or After	Finish On or Before	5	02-Jan-15	08-Jan-15	30-Jan-15	Indirect Payment Modeling
0.00.90740	Construction Management & Indirects (Jul 2013)	Start On or After	Finish On or Before	5	01-Jul-13	08-Jul-13	31-Jul-13	Indirect Payment Modeling
0.00.90860	Construction Management & Indirects (Jul 2014)	Start On or After	Finish On or Before	5	01-Jul-14	08-Jul-14	31-Jul-14	Indirect Payment Modeling
0.00.90730	Construction Management & Indirects (Jun 2013)	Start On or After	Finish On or Before	5	03-Jun-13	07-Jun-13	28-Jun-13	Indirect Payment Modeling
0.00.90850	Construction Management & Indirects (Jun 2014)	Start On or After	Finish On or Before	5	02-Jun-14	06-Jun-14	30-Jun-14	Indirect Payment Modeling
0.00.90700	Construction Management & Indirects (Mar 2013)	Start On or After	Finish On or Before	5	01-Mar-13	07-Mar-13	29-Mar-13	Indirect Payment Modeling
0.00.90820	Construction Management & Indirects (Mar 2014)	Start On or After	Finish On or Before	5	03-Mar-14	07-Mar-14	31-Mar-14	Indirect Payment Modeling
0.00.91360	Construction Management & Indirects (Mar 2015)	Start On or After	Finish On or Before	5	02-Mar-15	06-Mar-15	27-Mar-15	Indirect Payment Modeling
0.00.90720	Construction Management &	Start On or After	Finish On or	5	01-May-13	07-May-13	31-May-13	Indirect Payment Modeling

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
0.00.90840	Construction Management & Indirects (May 2014)	Start On or After	Finish On or Before	5	01-May-14	07-May-14	30-May-14	Indirect Payment Modeling
0.00.90660	Construction Management & Indirects (Nov 2012)	Start On or After	Finish On or Before	5	01-Nov-12	07-Nov-12	30-Nov-12	Indirect Payment Modeling
0.00.90780	Construction Management & Indirects (Nov 2013)	Start On or After	Finish On or Before	5	01-Nov-13	07-Nov-13	27-Nov-13	Indirect Payment Modeling
0.00.90900	Construction Management & Indirects (Nov 2014)	Start On or After	Finish On or Before	5	03-Nov-14	07-Nov-14	26-Nov-14	Indirect Payment Modeling
0.00.90650	Construction Management & Indirects (Oct 2012)	Start On or After	Finish On or Before	5	01-Oct-12	05-Oct-12	31-Oct-12	Indirect Payment Modeling
0.00.90770	Construction Management & Indirects (Oct 2013)	Start On or After	Finish On or Before	5	01-Oct-13	07-Oct-13	31-Oct-13	Indirect Payment Modeling
0.00.90890	Construction Management & Indirects (Oct 2014)	Start On or After	Finish On or Before	5	01-Oct-14	07-Oct-14	31-Oct-14	Indirect Payment Modeling
0.00.90640	Construction Management & Indirects (Sep 2012)	Start On or After	Finish On or Before	5	04-Sep-12	10-Sep-12	28-Sep-12	Indirect Payment Modeling
0.00.90760	Construction Management & Indirects (Sep 2013)	Start On or After	Finish On or Before	5	03-Sep-13	09-Sep-13	30-Sep-13	Indirect Payment Modeling
0.00.90880	Construction Management & Indirects (Sep 2014)	Start On or After	Finish On or Before	5	02-Sep-14	08-Sep-14	30-Sep-14	Indirect Payment Modeling
0.00.00020	Financial Close	Start On or After		0	31-Jul-12			Contractual Requirement
0.00.90940	Mobilization Payment 1 (Aug 2012)	Start On or After	Finish On or Before	5	01-Aug-12	07-Aug-12	31-Aug-12	Mobilization Payment Modeling
0.00.90950	Mobilization Payment 2 (Sep 2012)	Start On or After	Finish On or Before	5	04-Sep-12	10-Sep-12	28-Sep-12	Mobilization Payment Modeling
0.00.90960	Mobilization Payment 3 (Nov 2012)	Start On or After	Finish On or Before	5	01-Nov-12	07-Nov-12	30-Nov-12	Mobilization Payment Modeling
0.00.90970	Mobilization Payment 4 (Mar 2013)	Start On or After	Finish On or Before	5	01-Mar-13	07-Mar-13	29-Mar-13	Mobilization Payment Modeling
0.00.90290	Project Management & Indirects (Apr 2012)	Start On or After	Finish On or Before	5	02-Apr-12	06-Apr-12	30-Apr-12	Indirect Payment Modeling
0.00.90380	Project Management & Indirects (Apr 2013)	Start On or After	Finish On or Before	5	01-Apr-13	05-Apr-13	30-Apr-13	Indirect Payment Modeling
0.00.90500	Project Management & Indirects (Apr 2014)	Start On or After	Finish On or Before	5	01-Apr-14	07-Apr-14	30-Apr-14	Indirect Payment Modeling

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
0.00.90330	Project Management & Indirects (Aug 2012)	Start On or After	Finish On or Before	5	01-Aug-12	07-Aug-12	31-Aug-12	Indirect Payment Modeling
0.00.90420	Project Management & Indirects (Aug 2013)	Start On or After	Finish On or Before	5	01-Aug-13	07-Aug-13	30-Aug-13	Indirect Payment Modeling
0.00.90540	Project Management & Indirects (Aug 2014)	Start On or After	Finish On or Before	5	01-Aug-14	07-Aug-14	29-Aug-14	Indirect Payment Modeling
0.00.90370	Project Management & Indirects (Dec 2012)	Start On or After	Finish On or Before	5	03-Dec-12	07-Dec-12	31-Dec-12	Indirect Payment Modeling
0.00.90460	Project Management & Indirects (Dec 2013)	Start On or After	Finish On or Before	5	02-Dec-13	06-Dec-13	31-Dec-13	Indirect Payment Modeling
0.00.90580	Project Management & Indirects (Dec 2014)	Start On or After	Finish On or Before	5	01-Dec-14	05-Dec-14	30-Dec-14	Indirect Payment Modeling
0.00.90270	Project Management & Indirects (Feb 2013)	Start On or After	Finish On or Before	5	01-Feb-13	07-Feb-13	28-Feb-13	Indirect Payment Modeling
0.00.90480	Project Management & Indirects (Feb 2014)	Start On or After	Finish On or Before	5	03-Feb-14	07-Feb-14	28-Feb-14	Indirect Payment Modeling
0.00.30000	Project Management & Indirects (Jan 2013)	Start On or After	Finish On or Before	5	02-Jan-13	08-Jan-13	31-Jan-13	Indirect Payment Modeling
0.00.90470	Project Management & Indirects (Jan 2014)	Start On or After	Finish On or Before	5	02-Jan-14	08-Jan-14	31-Jan-14	Indirect Payment Modeling
0.00.90320	Project Management & Indirects (Jul 2012)	Start On or After	Finish On or Before	5	02-Jul-12	09-Jul-12	31-Jul-12	Indirect Payment Modeling
0.00.90410	Project Management & Indirects (Jul 2013)	Start On or After	Finish On or Before	5	01-Jul-13	08-Jul-13	31-Jul-13	Indirect Payment Modeling
0.00.90530	Project Management & Indirects (Jul 2014)	Start On or After	Finish On or Before	5	01-Jul-14	08-Jul-14	31-Jul-14	Indirect Payment Modeling
0.00.90310	Project Management & Indirects (Jun 2012)	Start On or After	Finish On or Before	5	01-Jun-12	07-Jun-12	29-Jun-12	Indirect Payment Modeling
0.00.90400	Project Management & Indirects (Jun 2013)	Start On or After	Finish On or Before	5	03-Jun-13	07-Jun-13	28-Jun-13	Indirect Payment Modeling
0.00.90520	Project Management & Indirects (Jun 2014)	Start On or After	Finish On or Before	5	02-Jun-14	06-Jun-14	30-Jun-14	Indirect Payment Modeling
0.00.90280	Project Management & Indirects (Mar 2013)	Start On or After	Finish On or Before	5	01-Mar-13	07-Mar-13	29-Mar-13	Indirect Payment Modeling
0.00.90490	Project Management & Indirects	Start On or After	Finish On or	5	03-Mar-14	07-Mar-14	31-Mar-14	Indirect Payment Modeling

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
0.00.90300	Project Management & Indirects (May 2012)	Start On or After	Finish On or Before	5	01-May-12	07-May-12	31-May-12	Indirect Payment Modeling
0.00.90390	Project Management & Indirects (May 2013)	Start On or After	Finish On or Before	5	01-May-13	07-May-13	31-May-13	Indirect Payment Modeling
0.00.90510	Project Management & Indirects (May 2014)	Start On or After	Finish On or Before	5	01-May-14	07-May-14	30-May-14	Indirect Payment Modeling
0.00.90360	Project Management & Indirects (Nov 2012)	Start On or After	Finish On or Before	5	01-Nov-12	07-Nov-12	30-Nov-12	Indirect Payment Modeling
0.00.90450	Project Management & Indirects (Nov 2013)	Start On or After	Finish On or Before	5	01-Nov-13	07-Nov-13	27-Nov-13	Indirect Payment Modeling
0.00.90570	Project Management & Indirects (Nov 2014)	Start On or After	Finish On or Before	5	03-Nov-14	07-Nov-14	26-Nov-14	Indirect Payment Modeling
0.00.90350	Project Management & Indirects (Oct 2012)	Start On or After	Finish On or Before	5	01-Oct-12	05-Oct-12	31-Oct-12	Indirect Payment Modeling
0.00.90440	Project Management & Indirects (Oct 2013)	Start On or After	Finish On or Before	5	01-Oct-13	07-Oct-13	31-Oct-13	Indirect Payment Modeling
0.00.90560	Project Management & Indirects (Oct 2014)	Start On or After	Finish On or Before	5	01-Oct-14	07-Oct-14	31-Oct-14	Indirect Payment Modeling
0.00.90340	Project Management & Indirects (Sep 2012)	Start On or After	Finish On or Before	5	04-Sep-12	10-Sep-12	28-Sep-12	Indirect Payment Modeling
0.00.90430	Project Management & Indirects (Sep 2013)	Start On or After	Finish On or Before	5	03-Sep-13	09-Sep-13	30-Sep-13	Indirect Payment Modeling
0.00.90550	Project Management & Indirects (Sep 2014)	Start On or After	Finish On or Before	5	02-Sep-14	08-Sep-14	30-Sep-14	Indirect Payment Modeling
2.01.65183	Swans Creek Restoration: Maintenance & Monitoring (2014)	Start On or After	Finish On or Before	10	02-Jan-14	16-Jan-14	30-Dec-14	
2.01.65193	Swans Creek Restoration: Maintenance & Monitoring (2015to2017)	Start On or After		10	02-Jan-15	20-Jan-15	30-Mar-15	
0.00.91040	Tolling Systems Management & Indirects (Apr 2013)	Start On or After	Finish On or Before	5	01-Apr-13	05-Apr-13	30-Apr-13	Indirect Payment Modeling
0.00.91160	Tolling Systems Management & Indirects (Apr 2014)	Start On or After	Finish On or Before	5	01-Apr-14	07-Apr-14	30-Apr-14	Indirect Payment Modeling
0.00.91250	Tolling Systems Management & Indirects (Aug 2012)	Start On or After	Finish On or Before	5	01-Aug-12	07-Aug-12	31-Aug-12	Indirect Payment Modeling

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
0.00.91080	Tolling Systems Management & Indirects (Aug 2013)	Start On or After	Finish On or Before	5	01-Aug-13	07-Aug-13	30-Aug-13	Indirect Payment Modeling
0.00.91200	Tolling Systems Management & Indirects (Aug 2014)	Start On or After	Finish On or Before	5	01-Aug-14	07-Aug-14	29-Aug-14	Indirect Payment Modeling
0.00.91000	Tolling Systems Management & Indirects (Dec 2012)	Start On or After	Finish On or Before	5	03-Dec-12	07-Dec-12	31-Dec-12	Indirect Payment Modeling
0.00.91120	Tolling Systems Management & Indirects (Dec 2013)	Start On or After	Finish On or Before	5	02-Dec-13	06-Dec-13	31-Dec-13	Indirect Payment Modeling
0.00.91240	Tolling Systems Management & Indirects (Dec 2014)	Start On or After	Finish On or Before	5	01-Dec-14	05-Dec-14	31-Dec-14	Indirect Payment Modeling
0.00.91020	Tolling Systems Management & Indirects (Feb 2013)	Start On or After	Finish On or Before	5	01-Feb-13	07-Feb-13	28-Feb-13	Indirect Payment Modeling
0.00.91140	Tolling Systems Management & Indirects (Feb 2014)	Start On or After	Finish On or Before	5	03-Feb-14	07-Feb-14	28-Feb-14	Indirect Payment Modeling
0.00.91280	Tolling Systems Management & Indirects (Feb 2015)	Start On or After	Finish On or Before	5	02-Feb-15	06-Feb-15	27-Feb-15	Indirect Payment Modeling
0.00.91010	Tolling Systems Management & Indirects (Jan 2013)	Start On or After	Finish On or Before	5	02-Jan-13	08-Jan-13	31-Jan-13	Indirect Payment Modeling
0.00.91130	Tolling Systems Management & Indirects (Jan 2014)	Start On or After	Finish On or Before	5	02-Jan-14	08-Jan-14	31-Jan-14	Indirect Payment Modeling
0.00.91270	Tolling Systems Management & Indirects (Jan 2015)	Start On or After	Finish On or Before	5	02-Jan-15	08-Jan-15	30-Jan-15	Indirect Payment Modeling
0.00.91070	Tolling Systems Management & Indirects (Jul 2013)	Start On or After	Finish On or Before	5	01-Jul-13	08-Jul-13	31-Jul-13	Indirect Payment Modeling
0.00.91190	Tolling Systems Management & Indirects (Jul 2014)	Start On or After	Finish On or Before	5	01-Jul-14	08-Jul-14	31-Jul-14	Indirect Payment Modeling
0.00.91060	Tolling Systems Management & Indirects (Jun 2013)	Start On or After	Finish On or Before	5	03-Jun-13	07-Jun-13	28-Jun-13	Indirect Payment Modeling
0.00.91180	Tolling Systems Management & Indirects (Jun 2014)	Start On or After	Finish On or Before	5	02-Jun-14	06-Jun-14	30-Jun-14	Indirect Payment Modeling
0.00.91030	Tolling Systems Management & Indirects (Mar 2013)	Start On or After	Finish On or Before	5	01-Mar-13	07-Mar-13	29-Mar-13	Indirect Payment Modeling
0.00.91150	Tolling Systems Management & Indirects (Mar 2014)	Start On or After	Finish On or Before	5	03-Mar-14	07-Mar-14	31-Mar-14	Indirect Payment Modeling
0.00.91290	Tolling Systems Management & Indirects (Mar 2015)	Start On or After	Finish On or Before	5	02-Mar-15	06-Mar-15	30-Mar-15	Indirect Payment Modeling

Attachment D - Constrained Activities

Primary Constraint

Activity ID	Activity Name	Primary Constraint	Secondary Constraint	Original Duration	Early Start	Early Finish	Late Finish	Reason for Constraint
0.00.91050	Tolling Systems Management & Indirects (May 2013)	Start On or After	Finish On or Before	5	01-May-13	07-May-13	31-May-13	Indirect Payment Modeling
0.00.91170	Tolling Systems Management & Indirects (May 2014)	Start On or After	Finish On or Before	5	01-May-14	07-May-14	30-May-14	Indirect Payment Modeling
0.00.90990	Tolling Systems Management & Indirects (Nov 2012)	Start On or After	Finish On or Before	5	01-Nov-12	07-Nov-12	30-Nov-12	Indirect Payment Modeling
0.00.91110	Tolling Systems Management & Indirects (Nov 2013)	Start On or After	Finish On or Before	5	01-Nov-13	07-Nov-13	27-Nov-13	Indirect Payment Modeling
0.00.91230	Tolling Systems Management & Indirects (Nov 2014)	Start On or After	Finish On or Before	5	03-Nov-14	07-Nov-14	26-Nov-14	Indirect Payment Modeling
0.00.90980	Tolling Systems Management & Indirects (Oct 2012)	Start On or After	Finish On or Before	5	01-Oct-12	05-Oct-12	31-Oct-12	Indirect Payment Modeling
0.00.91100	Tolling Systems Management & Indirects (Oct 2013)	Start On or After	Finish On or Before	5	01-Oct-13	07-Oct-13	31-Oct-13	Indirect Payment Modeling
0.00.91220	Tolling Systems Management & Indirects (Oct 2014)	Start On or After	Finish On or Before	5	01-Oct-14	07-Oct-14	31-Oct-14	Indirect Payment Modeling
0.00.91260	Tolling Systems Management & Indirects (Sep 2012)	Start On or After	Finish On or Before	5	04-Sep-12	10-Sep-12	28-Sep-12	Indirect Payment Modeling
0.00.91090	Tolling Systems Management & Indirects (Sep 2013)	Start On or After	Finish On or Before	5	03-Sep-13	09-Sep-13	30-Sep-13	Indirect Payment Modeling
0.00.91210	Tolling Systems Management & Indirects (Sep 2014)	Start On or After	Finish On or Before	5	02-Sep-14	08-Sep-14	30-Sep-14	Indirect Payment Modeling
0.00.91300	Tolling Systems Management for Early Works (Apr 2012)	Start On or After	Finish On or Before	5	02-Apr-12	06-Apr-12	30-Apr-12	Indirect Payment Modeling
0.00.91330	Tolling Systems Management for Early Works (Jul 2012)	Start On or After	Finish On or Before	5	02-Jul-12	09-Jul-12	31-Jul-12	Indirect Payment Modeling
0.00.91320	Tolling Systems Management for Early Works (Jun 2012)	Start On or After	Finish On or Before	5	01-Jun-12	07-Jun-12	29-Jun-12	Indirect Payment Modeling
0.00.91310	Tolling Systems Management for Early Works (May 2012)	Start On or After	Finish On or Before	5	01-May-12	07-May-12	31-May-12	Indirect Payment Modeling

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	2012												2013												2014												2015		
						Apr	M	Jun	Jul	Aug	S	Oct	Nov	Dec	Jan	F	Mar	Apr	M	Jun	Jul	Aug	S	Oct	Nov	Dec	Jan	F	Mar	Apr	M	Jun	Jul	Aug	S	Oct	Nov	Dec	Jan	F	Mar			
						Gantt Chart (Visual representation of activity durations and dependencies across months)																																						
0.00.00010	Notice to Proceed Early Works	0	27-Mar-12		0	Notice to Proceed Early Works																																						
0.00.10000	Design Start	0	27-Mar-12		0	Design Start																																						
4.00.16080	Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 4)	40	27-Mar-12	21-May-12	54	Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 4)																																						
3N.00.15840	Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg ...)	45	27-Mar-12	29-May-12	0	Roadway Design (C&G, Duct Banks & MOT Ph.1 - Seg 3N)																																						
3N.00.15600	Bridge Design: Stage 1 (B49A)	50	27-Mar-12	05-Jun-12	7	Bridge Design: Stage 1 (B49A)																																						
0.00.00020	Financial Close	0	31-Jul-12		6	Financial Close																																						
0.00.90250	Construction Notice to Proceed	0	31-Jul-12		14	Construction Notice to Proceed																																						
4.01.65183	Erosion Control Setup (RpTHN)	3	31-Jul-12	02-Aug-12	168	Erosion Control Setup (RpTHN)																																						
3N.01.63180	Reroute Traffic to East Side (3N.1.HOT)	5	31-Jul-12	06-Aug-12	80	Reroute Traffic to East Side (3N.1.HOT)																																						
3N.00.15680	Bridge Design: Substr, Beams & Walls (B49A)	100	27-Mar-12	15-Aug-12	7	Bridge Design: Substr, Beams & Walls (B49A)																																						
3N.01.65263	Temporary Barrier: For HOT West Phase * (3N.1.HOT)	10	07-Aug-12	21-Aug-12	80	Temporary Barrier: For HOT West Phase * (3N.1.HOT)																																						
3N.00.15920	Roadway Design (Roadway, Drainage & MOT Ph.2 - Se...)	105	27-Mar-12	22-Aug-12	0	Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 3N)																																						
4.00.16160	Roadway Design (Roadway, Drainage & MOT Ph.2 - Se...)	105	27-Mar-12	22-Aug-12	88	Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 4)																																						
3N.01.65132	Erosion Control Setup (RpFXEH/S)	3	22-Aug-12	24-Aug-12	271	Erosion Control Setup (RpFXEH/S)																																						
4.01.53530	Clearing, Grubbing & Topsoil Stripping (RpTHN)	20	31-Jul-12	28-Aug-12	108	Clearing, Grubbing & Topsoil Stripping (RpTHN)																																						
3N.00.15930	Constructability Review (Roadway, Drainage & MOT Ph...)	5	23-Aug-12	29-Aug-12	106	Constructability Review (Roadway, Drainage & MOT Ph.2 - Seg 3N)																																						
4.00.16170	Constructability Review (Roadway, Drainage & MOT Ph...)	5	23-Aug-12	29-Aug-12	88	Constructability Review (Roadway, Drainage & MOT Ph.2 - Seg 4)																																						
3N.00.15940	Incorp. Constructability Comments (Roadway, Drainage...)	5	30-Aug-12	06-Sep-12	106	Incorp. Constructability Comments (Roadway, Drainage & MOT Ph.2 - Seg 3N)																																						
4.00.16180	Incorp. Constructability Comments (Roadway, Drainage...)	5	30-Aug-12	06-Sep-12	88	Incorp. Constructability Comments (Roadway, Drainage & MOT Ph.2 - Seg 4)																																						
3N.01.53320	Clearing, Grubbing & Topsoil Stripping (RpFXEH/S)	20	22-Aug-12	21-Sep-12	254	Clearing, Grubbing & Topsoil Stripping (RpFXEH/S)																																						
3N.00.15950	VDOT Final Review (Roadway, Drainage & MOT Ph.2 - ...)	21	07-Sep-12	27-Sep-12	160	VDOT Final Review (Roadway, Drainage & MOT Ph.2 - Seg 3N)																																						
4.00.16190	VDOT Final Review (Roadway, Drainage & MOT Ph.2 - ...)	21	07-Sep-12	27-Sep-12	132	VDOT Final Review (Roadway, Drainage & MOT Ph.2 - Seg 4)																																						
3N.00.15960	Comment Resolution (Roadway, Drainage & MOT Ph.2 ...)	7	28-Sep-12	04-Oct-12	160	Comment Resolution (Roadway, Drainage & MOT Ph.2 - Seg 3N)																																						
4.00.16200	Comment Resolution (Roadway, Drainage & MOT Ph.2 ...)	7	28-Sep-12	04-Oct-12	132	Comment Resolution (Roadway, Drainage & MOT Ph.2 - Seg 4)																																						
3N.00.15970	VDOT Comment Verification (Roadway, Drainage & MO...)	7	05-Oct-12	11-Oct-12	160	VDOT Comment Verification (Roadway, Drainage & MOT Ph.2 - Seg 3N)																																						
4.00.16210	VDOT Comment Verification (Roadway, Drainage & MO...)	7	05-Oct-12	11-Oct-12	132	VDOT Comment Verification (Roadway, Drainage & MOT Ph.2 - Seg 4)																																						
3N.00.15240	Roadway Design (Misc. Roadway - Seg 3N)	144	27-Mar-12	18-Oct-12	0	Roadway Design (Misc. Roadway - Seg 3N)																																						
3N.00.15980	Final Comment Resolution (Roadway, Drainage & MOT...)	7	12-Oct-12	18-Oct-12	160	Final Comment Resolution (Roadway, Drainage & MOT Ph.2 - Seg 3N)																																						
3N.00.15990	AFC Roadway Design (Roadway, Drainage & MOT Ph...)	0		18-Oct-12	106	AFC Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 3N)																																						
4.00.16220	Final Comment Resolution (Roadway, Drainage & MOT...)	7	12-Oct-12	18-Oct-12	132	Final Comment Resolution (Roadway, Drainage & MOT Ph.2 - Seg 4)																																						
4.00.16230	AFC Roadway Design (Roadway, Drainage & MOT Ph...)	0		18-Oct-12	86	AFC Roadway Design (Roadway, Drainage & MOT Ph.2 - Seg 4)																																						
3N.01.65142	Erosion Control Setup (RpFXEH/S): SWM Pond 3-2 (R...)	3	19-Oct-12	23-Oct-12	224	Erosion Control Setup (RpFXEH/S): SWM Pond 3-2 (RpFXEH/S)																																						
4.01.65173	Erosion Control Setup: SWM Pond 4-1 (4.1.HOT)	3	19-Oct-12	23-Oct-12	103	Erosion Control Setup: SWM Pond 4-1 (4.1.HOT)																																						
3N.00.15250	Constructability Review (Misc. Roadway - Seg 3N)	5	19-Oct-12	25-Oct-12	0	Constructability Review (Misc. Roadway - Seg 3N)																																						
3N.01.64312	Clearing, Grubbing & Topsoil Stripping: SWM Pond 3-2 ...	5	19-Oct-12	25-Oct-12	222	Clearing, Grubbing & Topsoil Stripping: SWM Pond 3-2 (RpFXEH/S)																																						
4.01.64332	Clearing, Grubbing & Topsoil Stripping: SWM Pond 4-1 ...	5	19-Oct-12	25-Oct-12	101	Clearing, Grubbing & Topsoil Stripping: SWM Pond 4-1 (4.1.HOT)																																						
3N.01.64712	Procurement Piling: Bridge Rp FXEH over I-95 SB Lane...	75	16-Aug-12	29-Oct-12	9	Procurement Piling: Bridge Rp FXEH over I-95 SB Lanes (B49a)																																						
3N.00.15260	Incorp. Constructability Comments (Misc. Roadway - Se...)	5	26-Oct-12	01-Nov-12	0	Incorp. Constructability Comments (Misc. Roadway - Seg 3N)																																						
3N.01.52800	Foundations: Piling - Abutment A (B49a)	4	30-Oct-12	05-Nov-12	6	Foundations: Piling - Abutment A (B49a)																																						
3N.01.52810	Foundations: Piling - Abutment B (B49a)	5	06-Nov-12	13-Nov-12	6	Foundations: Piling - Abutment B (B49a)																																						
3N.00.15270	VDOT Final Review (Misc. Roadway - Seg 3N)	21	02-Nov-12	22-Nov-12	0	VDOT Final Review (Misc. Roadway - Seg 3N)																																						
3N.01.52820	Foundations: Drilled Shafts - Pier 1 (B49a)	6	15-Nov-12	26-Nov-12	6	Foundations: Drilled Shafts - Pier 1 (B49a)																																						
3N.00.15280	Comment Resolution (Misc. Roadway - Seg 3N)	7	23-Nov-12	29-Nov-12	0	Comment Resolution (Misc. Roadway - Seg 3N)																																						
3N.00.15290	VDOT Comment Verification (Misc. Roadway - Seg 3N)	7	30-Nov-12	06-Dec-12	0	VDOT Comment Verification (Misc. Roadway - Seg 3N)																																						
3N.01.52830	Foundations: Drilled Shafts - Pier 2 (B49a)	10	27-Nov-12	11-Dec-12	6	Foundations: Drilled Shafts - Pier 2 (B49a)																																						
4.01.65162	Procurement Piling: Bridge Rp THN over I-395 NB Lane...	75	29-Sep-12	12-Dec-12	8	Procurement Piling: Bridge Rp THN over I-395 NB Lanes (B29a)																																						
3N.00.15295	Final Comment Resolution (Misc. Roadway - Seg 3N)	7	07-Dec-12	13-Dec-12	0	Final Comment Resolution (Misc. Roadway - Seg 3N)																																						

█ Remaining Level of Effort █ Remaining Work
█ Actual Work █ Critical Remaining Work



Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule - Longest Path	cjc	jh

Activity ID	Activity Name	Original Duration	Early Start	Early Finish	Total Float	2012												2013												2014												2015		
						Apr	M	Jun	Jul	Aug	S	Oct	Nov	Dec	Jan	F	Mar	Apr	M	Jun	Jul	Aug	S	Oct	Nov	Dec	Jan	F	Mar	Apr	M	Jun	Jul	Aug	S	Oct	Nov	Dec	Jan	F	Mar			
						Gantt Chart (Visual representation of activity durations and dependencies across months)																																						
3S.01.63962	Design Segment 3S	380	27-Mar-12	10-Apr-13	544	Design Segment 3S																																						
3S.07.65753	Demo Barrier: W. Ph. (3S.7.HOT)	3	11-Apr-13	15-Apr-13	19	Demo Barrier: W. Ph. (3S.7.HOT)																																						
4.01.65032	Substructures: F&P Pier 4 - Cap (B29a)	11	05-Apr-13	22-Apr-13	41	Substructures: F&P Pier 4 - Cap (B29a)																																						
4.01.65212	Substructures: F&P Pier 5 - Footing (B29a)	5	23-Apr-13	30-Apr-13	41	Substructures: F&P Pier 5 - Footing (B29a)																																						
4.01.65202	Substructures: F&P Pier 5 - Column (B29a)	5	01-May-13	07-May-13	41	Substructures: F&P Pier 5 - Column (B29a)																																						
3N.01.64362	Design Segment 3N	408	27-Mar-12	08-May-13	532	Design Segment 3N																																						
3S.07.63404	Install Ductbank (3S.7.HOT)	20	11-Apr-13	09-May-13	19	Install Ductbank (3S.7.HOT)																																						
3N.00.63130	Procurement of Poles, Gantries & Misc. Steel (Segment ...)	150	14-Dec-12	12-May-13	0	Procurement of Poles, Gantries & Misc. Steel (Segment 3N)																																						
4.01.65042	Substructures: F&P Pier 5 - Cap (B29a)	11	08-May-13	23-May-13	41	Substructures: F&P Pier 5 - Cap (B29a)																																						
4.01.65232	Substructures: F&P Pier 7 - Footing (B29a)	5	24-May-13	03-Jun-13	41	Substructures: F&P Pier 7 - Footing (B29a)																																						
3S.07.63414	Drill Shafts (Barrier): W. Ph. (3S.7.HOT)	35	16-Apr-13	07-Jun-13	19	Drill Shafts (Barrier): W. Ph. (3S.7.HOT)																																						
4.01.65222	Substructures: F&P Pier 7 - Column (B29a)	5	04-Jun-13	10-Jun-13	41	Substructures: F&P Pier 7 - Column (B29a)																																						
3S.07.63406	Drill Shafts: W. Ph. (3S.7.HOT)	2	10-Jun-13	11-Jun-13	19	Drill Shafts: W. Ph. (3S.7.HOT)																																						
4.00.64362	Design Segment 4	443	27-Mar-12	12-Jun-13	378	Design Segment 4																																						
4.01.65062	Substructures: F&P Pier 7 - Cap (B29a)	11	11-Jun-13	27-Jun-13	41	Substructures: F&P Pier 7 - Cap (B29a)																																						
4.01.65072	Substructures: F&P Bent 8 (B29a)	10	28-Jun-13	12-Jul-13	41	Substructures: F&P Bent 8 (B29a)																																						
3S.06.63384	Drill Shafts (Barrier): W. Ph. (3S.6.HOT)	26	13-Jun-13	23-Jul-13	19	Drill Shafts (Barrier): W. Ph. (3S.6.HOT)																																						
4.01.64673	Retaining Wall: Excavation MSE (RW1535-1) - Roadway	4	26-Jul-13	01-Aug-13	49	Retaining Wall: Excavation MSE (RW1535-1) - Roadway																																						
3N.01.63454	Install Poles/Gantry Legs & Associated Equip W. Ph. (...)	60	13-May-13	15-Aug-13	0	Install Poles/Gantry Legs & Associated Equip W. Ph. (3N.1.HOT)																																						
4.01.53260	Substructures: F&P Abutment A (B29a)	25	15-Jul-13	21-Aug-13	41	Substructures: F&P Abutment A (B29a)																																						
4.01.64683	Retaining Wall: Levelling Pad MSE (RW1535-1) - Road...	13	02-Aug-13	21-Aug-13	49	Retaining Wall: Levelling Pad MSE (RW1535-1) - Roadway																																						
3N.01.63620	Roadway Lighting: W. Ph. (3N.1.HOT)	15	08-Aug-13	30-Aug-13	0	Roadway Lighting: W. Ph. (3N.1.HOT)																																						
3N.01.63630	Roadway Ready for Traffic: W. Ph. (3N.1.HOT)	0		30-Aug-13	0	Roadway Ready for Traffic: W. Ph. (3N.1.HOT)																																						
3N.01.63822	Roadway Ready for Traffic: W. Ph. (Segment 3N)	0		30-Aug-13	0	Roadway Ready for Traffic: W. Ph. (Segment 3N)																																						
3N.01.64262	Construction Segment 3N: West Phase	374	22-Aug-12	30-Aug-13	0	Construction Segment 3N: West Phase																																						
4.01.65252	Substructures: F&P Pier 6 - Footing (B29a)	7	22-Aug-13	03-Sep-13	41	Substructures: F&P Pier 6 - Footing (B29a)																																						
3S.05.60620	Drill Shafts (Barrier): W. Ph. (3S.5.HOT)	27	24-Jul-13	04-Sep-13	19	Drill Shafts (Barrier): W. Ph. (3S.5.HOT)																																						
3N.01.63190	Reroute Traffic to West Side (3N.1.HOT)	5	03-Sep-13	09-Sep-13	0	Reroute Traffic to West Side (3N.1.HOT)																																						
3S.05.60612	Drill Shafts: W. Ph (3S.5.HOT)	6	05-Sep-13	13-Sep-13	19	Drill Shafts: W. Ph (3S.5.HOT)																																						
4.01.65242	Substructures: F&P Pier 6 - Column (B29a)	7	04-Sep-13	13-Sep-13	41	Substructures: F&P Pier 6 - Column (B29a)																																						
3N.01.65273	Temporary Barrier: For HOT East Phase * (3N.1.HOT)	6	10-Sep-13	18-Sep-13	0	Temporary Barrier: For HOT East Phase * (3N.1.HOT)																																						
3N.01.65122	Erosion Control Setup (RpFXNH)	3	19-Sep-13	23-Sep-13	106	Erosion Control Setup (RpFXNH)																																						
3N.01.65152	Erosion Control Setup (RpFSHN)	3	19-Sep-13	23-Sep-13	2	Erosion Control Setup (RpFSHN)																																						
3N.01.65162	Erosion Control Setup (RpFSEWH)	3	19-Sep-13	23-Sep-13	32	Erosion Control Setup (RpFSEWH)																																						
4.01.65052	Substructures: F&P Pier 6 - Cap (B29a)	7	16-Sep-13	24-Sep-13	41	Substructures: F&P Pier 6 - Cap (B29a)																																						
3N.01.53390	Asphalt Demo (RpFSHN)	5	19-Sep-13	26-Sep-13	0	Asphalt Demo (RpFSHN)																																						
3N.01.53460	Asphalt Demo (RpFSEWH)	5	19-Sep-13	26-Sep-13	30	Asphalt Demo (RpFSEWH)																																						
3N.00.70960	PIP utility Complete: 24" Gas + 30" Casing @ St.1354+...	0		26-Sep-13	0	PIP utility Complete: 24" Gas + 30" Casing @ St.1354+65;(3N.1.HOT) - WGL-10																																						
3N.00.70970	PIP Utility: 24" Gas + 30" Casing @ St.1354+65 (3N.1....	5	19-Sep-13	26-Sep-13	0	PIP Utility: 24" Gas + 30" Casing @ St.1354+65;(3N.1.HOT) - WGL-10																																						
3N.00.70980	PIP utility Complete: 24" DIP + 36" Steel Casing @ St. ...	0		26-Sep-13	0	PIP utility Complete: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) - FW-10																																						
3N.00.70990	PIP Utility: 24" DIP + 36" Steel Casing @ St. 1355+45 (...)	5	19-Sep-13	26-Sep-13	0	PIP Utility: 24" DIP + 36" Steel Casing @ St. 1355+45 (3N.1.HOT) - FW-10																																						
3N.01.53250	Clearing, Grubbing & Topsoil Stripping (RpFXNH)	7	19-Sep-13	30-Sep-13	102	Clearing, Grubbing & Topsoil Stripping (RpFXNH)																																						
3N.01.64472	Retaining Wall: Excavation MSE (RW1345-1)	3	27-Sep-13	01-Oct-13	0	Retaining Wall: Excavation MSE (RW1345-1)																																						
3N.01.53400	Earthwork (RpFSHN)	10	27-Sep-13	10-Oct-13	0	Earthwork (RpFSHN)																																						
3N.01.53180	Procure Panels: MSE* (RW1345-1)	31	04-Sep-13	17-Oct-13	0	Procure Panels: MSE* (RW1345-1)																																						
3S.05.60628	Install Poles/Gantry Legs & Associated Equip W. Ph. (...)	21	16-Sep-13	17-Oct-13	19	Install Poles/Gantry Legs & Associated Equip W. Ph. (3S.5.HOT)																																						
3N.01.64482	Retaining Wall: Levelling Pad MSE (RW1345-1)	10	02-Oct-13	17-Oct-13	0	Retaining Wall: Levelling Pad MSE (RW1345-1)																																						

█ Remaining Level of Effort █ Remaining Work
█ Actual Work █ Critical Remaining Work



Date	Revision	Checked	Approved
11-Jul-12	Baseline Schedule - Longest Path	cjc	jh

Attachment I - Price Summary

Cost Category		Amount	
1.0	Mobilization	\$	30,911,000.00
2.0	Project Indirects	\$	65,029,367.00
3.0	Construction Indirects	\$	70,305,000.00
4.0	Design	\$	56,283,000.00
5.0	Utilities	\$	3,535,000.00
6.0	Maintenance of Traffic	\$	23,797,000.00
7.0	Erosion Control	\$	8,055,000.00
8.0	Earthwork	\$	30,196,000.00
9.0	Drainage	\$	30,023,000.00
10.0	Retaining Walls	\$	32,886,000.00
11.0	Bridges	\$	50,419,000.00
12.0	Roadway	\$	94,792,000.00
13.0	Soundwalls	\$	44,911,000.00
14.0	Tolling & Traffic Management (Construction)	\$	79,400,000.00
15.0	TTMS Design & Startup	\$	70,605,202.00
Total Price		\$	691,147,569.00



Attachment J - Resource/Cost Code Map: Resources

P6 Resource	Work Type
210500.Civil Design & 211500.Structural Design	Design
5104205.Drainage Temp & Perm.	Drainage
5104400.Backfill and Compaction-MAT	Earthwork
5104500.Environmental Work	SoundWalls: Posts
5105100.Landscaping	Topsoil Placement & Landscaping
5105200.Site Improvements	Ground Improvements
5106300.Piling	Bridge Foundations
5106400.Heavy Civil Works	Bridge Finishes: Barriers
5110100.Underground Electrical - Duct Bank	Duct Bank
5115100.Concrete	Box Culverts
5115105.CIP (Cast-in-Place)	TTMS/Sign/Gantry Foundations
5115110.Reinforcing	Bridge SuperStructures: Rebar
5115200.Core Drilling & Concrete Cutting	Bridge Finishes: Deck Joints & Grooving
5116600.Slab on Grade	Bridge Finishes: Approach Slabs/Slope Paving/Drainage & Lighting
5116800.Precast Concrete	SoundWalls: Procurement
5117105.Fabricated Steel - Light	Guardrail
5117115.Fabricated Steel - Heavy	Bridge Foundations: Material
5117120.Fabricated Steel - Extra Heavy	Bridge Girders: Material
5117125.Fabricated Steel - Double Extra Heavy	Bridge Girders
5120100.Building-MAT	Project Office
5129200.Panels and Receptacles	Service Panels
5142605.Lighting Fixtures and Panels	Lighting
5146125.UPS System	Generators
5146130.Other Tagged Electrical Equipm.	Tech Shelters
5147200.Wire and Cable	Cabinets, Conduit & JB, Fiber & Wire
5150200.Tagged Specialty Items	Access Gates
5164100.Commissioning	TTMS Design & Startup
5168500.Site Management-MAT	Distrib. Indirects (Project)
5180000.Transportation	Mobilization
5180010.Roadway Topsoil Stripping	Clearing & Grubbing
5180130.Bridge Demolition	Bridge Demo (Tel Rd)
5180160.Roadway Aggregate Base	Subbase
5180170.Asphalt Paving/Shoulders	Asphalt Paving
5180200.Roadway Guardrail/Median Barrier	Median Barrier
5180210.Roadway Permanent Striping	Striping
5180220.Roadway Signage	DMS / LUMS, Signs, Gantries & ITS Equipment
5180230.Roadway Noise Walls	SoundWalls: Panels
5180240.Roadway Retaining Walls	Retaining Walls
5180250.Temporary Bridges	Bridges (Mod-existing)
5180270.Temporary Signage, Signals and Striping	MOT Set Up
5180280.Temporary Concrete Barrier	Temporary Concrete Barrier
5180310.Bridge Substructure Concrete	Bridge SubStructures
5180340.Bridge Superstructure Concrete	Bridge SuperStructures: Pour
5180350.Bridge Superstructure Forming Material	Bridge SuperStructures: Form
5301400.Temp Construction Buildings	Field Office
5306100.Construction Services-Site	Distrib. Indirects (Construction)
5306300.Job Cleanup-MAT	Project Close Out: Punchlisting
5306700.Miscellaneous Prof. Services	Bonds
5306800.Environmental Control	Erosion Control
5307000.Temporary Utilities	Utilities



Attachment J - Resource/Cost Code Map: Cost Codes

P6 Cost Account	Cost Category
Transportation	Mobilization
General Site Requirements	Project Indirects
Site Indirects	Construction Indirects
Engineering and Design	Design
Temporary Utilities	Utilities
Maintenance of Traffic	Maintenance of Traffic
Site Preparation	Erosion Control
Earthmoving	Earthwork
Oily - Storm Water - Effluent Runoff	Drainage
Roadway Retaining Walls	Retaining Walls
Bridges	Bridges
Roads General	Roadway
Roadway Noise Walls	Soundwalls
Control Systems	Tolling & Traffic Management
Start-up	TTMS Design & Startup
	Utilities



Attachment K - Monthly Progress Earnings Schedule

	Incremental Revenue	Cumulative Revenue	Incr. %
Mar-12	2,457,029	2,457,029	0.4%
Apr-12	13,279,425	15,736,454	1.9%
May-12	11,201,615	26,938,069	1.6%
Jun-12	8,945,920	35,883,989	1.3%
Jul-12	9,909,469	45,793,458	1.4%
Aug-12	36,792,171	82,585,629	5.3%
Sep-12	30,250,353	112,835,982	4.4%
Oct-12	22,917,574	135,753,556	3.3%
Nov-12	30,821,222	166,574,778	4.5%
Dec-12	18,522,694	185,097,472	2.7%
Jan-13	17,919,520	203,016,992	2.6%
Feb-13	16,165,360	219,182,352	2.3%
Mar-13	29,922,508	249,104,860	4.3%
Apr-13	36,858,351	285,963,211	5.3%
May-13	42,418,561	328,381,772	6.1%
Jun-13	27,383,749	355,765,521	4.0%
Jul-13	28,736,432	384,501,953	4.2%
Aug-13	27,055,570	411,557,523	3.9%
Sep-13	28,152,936	439,710,459	4.1%
Oct-13	28,856,374	468,566,833	4.2%
Nov-13	23,927,956	492,494,789	3.5%
Dec-13	16,961,264	509,456,053	2.5%
Jan-14	18,979,760	528,435,813	2.7%
Feb-14	13,351,941	541,787,754	1.9%
Mar-14	21,410,301	563,198,055	3.1%
Apr-14	30,573,762	593,771,817	4.4%
May-14	26,270,771	620,042,588	3.8%
Jun-14	15,266,051	635,308,639	2.2%
Jul-14	11,328,841	646,637,480	1.6%
Aug-14	11,503,059	658,140,539	1.7%
Sep-14	9,546,166	667,686,705	1.4%
Oct-14	9,040,090	676,726,795	1.3%
Nov-14	7,047,512	683,774,307	1.0%
Dec-14	5,047,470	688,821,777	0.7%
Jan-15	1,014,512	689,836,289	0.1%
Feb-15	720,812	690,557,101	0.1%
Mar-15	590,468	691,147,569	0.1%

