



# Delaware Department of Transportation Summary of Production Rates

Delaware Department of Transportation  
P.O. Box 778  
Dover, Delaware 19903



## Summary of Production Rates

### Section 200 - Earthwork

<b>Item 202000: Excavation and Embankment</b>					
Type	Project Quantity Range (# of Projects)			CY/crewday	
<b>Sorted by Quantity</b>					
	0-5000 (7)				361
	5,001-20,000 (4)				454
	20,001-30,000 (5)				458
	30,001-100,000 (2)				1245
	> 100,000 (1)				1827
<b>Sorted by Project Type</b>					
New Align	(3)				1417
Roadway	(6)				398
Bridges	(3)				273
Intersection	(4)				426
Blitz	(3)				538
<b>Sorted by Type of Excavation</b>					
		Quantity (CY)	Days	CY/Crewday	
Bulk		195,612	110	1,773	
Road Box/Shoulder		153,679	344	447	
Ditches		19,998	94	213	
Topsoil		18,655	26	718	
Sidewalk/Curb/Driveways		7,749	83	93	
Hotmix Excavation		8,581	23	378	

<b>Item 205000: Rock Excavation for Roadway</b>					
Type	Project Quantity Range (# of Projects)			CY/crewday	
<b>Sorted by Quantity</b>					
	0-500 (0)				
	501-1000 (1)				241
	1001+ (1)				261
<b>Sorted by Project Type</b>					
New Align	(1)				261
Roadway	(1)				241

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<b>Item 206000: Rock Excavation for Structures &amp; Trenches</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-500	(1)	23	
		501-1000	(0)		
		1001+	(1)	170	
<b>Sorted by Project Type</b>					
New Align	(1)			170	
Roadway	(1)			23	

<b>Item 207000: Excavation and Backfill for Structures</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-500	(6)	99	
		501-1000	(1)	226	
		1001+	(1)	632	
<b>Sorted by Project Type</b>					
New Align	(2)			342	
Roadway	(2)			204	
Bridge	(4)			91	

<b>Item 208000: Excavation and Backfill for Pipe Trenches</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-1000	(6)	100	
		1001+	(3)	126	
<b>Sorted by Project Type</b>					
New Align	(3)			147	
Intersection	(1)			45	
Roadway	(4)			89.5	
Blitz	(1)			135	

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<b>Item 209001: Borrow, Type A</b>					
Type	Project Quantity Range (# of Projects)			CY/crewday	
<b>Sorted by Quantity</b>					
		0-1000 (4)		221	
		1001-5000 (3)		340	
		5001+ (3)		597	
<b>Sorted by Project Type</b>					
New Align	(2)			584	
Intersection	(0)				
Roadway	(4)			400	
Blitz	(2)			385	
Bridge	(2)			92	

<b>Item 211002: Removal of Structures &amp; Obstructions (Guardrail)</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (1)		1649	
		501-1000 (0)			
		1001-5000 (3)		782	
<b>Sorted by Project Type</b>					
Roadway	(2)			1406	
Blitz	(1)			735	
Bridge	(1)			448	

<b>Item 211004: Removal of Structures &amp; Obstructions (Pipe)</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (1)		148	
<b>Sorted by Project Type</b>					
New Align	(1)			148	

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<b>Item 212000: Undercut Excavation</b>					
Type	Project	Quantity	Range (# of Projects)		CY/crewday
<b>Sorted by Quantity</b>					
		0-1000	(5)		430
		1001-5000	(4)		597
		5001+	(2)		738
<b>Sorted by Project Type</b>					
New Align	(2)				877
Intersection	(2)				89
Roadway	(5)				453
Blitz	(1)				788
Bridge	(1)				353

<b>Item 269000: Turbidity Curtain, Floating</b>					
Type	Project	Quantity	Range (# of Projects)		LF/crewday
<b>Sorted by Quantity</b>					
		0-500	(2)		125
<b>Sorted by Project Type</b>					
Bridge	(2)				125

<b>Item 271000: Stormwater Management Pond</b>					
Type	Project	Quantity	Range (# of Projects)		CY/crewday
<b>Sorted by Quantity</b>					
		0-1000	(1)		448
		1001-10000	(2)		995
		10001-100K	(2)		1539
		101K+	(1)		1655
<b>Sorted by Project Type</b>					
Intersection	(1)				853
Roadway	(2)				981
New Align	(3)				1452

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### Section 300 - Bases

<b>Item 302007: Graded Aggregate Base Course, Type B</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-10K	(12)	222	
		10001-20K	(3)	537	
		20001+	(1)	179	
<b>Sorted by Project Type</b>					
New Align	(2)			314	
Bridge	(4)			285	
Roadway	(5)			338	
Blitz	(3)			268	
Intersection	(3)			141	

<b>Item 302500: Delaware No. 3 Stone</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
		0-500	(5)	141	
		501-1000	(1)	303	
<b>Sorted by Project Type</b>					
New Align	(2)			267	
Bridge	(3)			114	
Roadway	(1)			134	

<b>Item 302503: Delaware No. 57 Stone</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
		0-500	(1)	346	
<b>Sorted by Project Type</b>					
New Align	(1)			346	

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### Section 400 - Bituminous Pavements

<b>Item 401644: Superpave, Type C Hot-Mix</b>						
Type	Project	Quantity	Range (# of Projects)		Tons/crewday	
<b>Sorted by Quantity</b>		<b>Does not include pavement rehab projects</b>				
		0-500	(2)		261	
		501-1000	(0)		0	
		1000+	(1)		501	
<b>Sorted by Project Type</b>						
Bridge	(2)				261	
New Align	(1)				501	
Pvmt Rehab	(3)				798	

<b>Item 401645: Superpave, Type C Hot-Mix, 160 Gyration, PG 64-22</b>						
Type	Project	Quantity	Range (# of Projects)		Tons/crewday	
<b>Sorted by Quantity</b>		<b>Does not include pavement rehab projects</b>				
		0-1000	(5)		340	
		1001-5000	(3)		674	
		5000+	(2)		411	
<b>Sorted by Project Type</b>						
Blitz	(2)				318	
Roadway	(3)				598	
Intersection	(3)				406	
Bridge	(1)				318	
New Align	(1)				577	
Pvmt Rehab	(2)				1042	

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### Section 400 - Bituminous Pavements

<b>Item 401647: Superpave, Type B Hot-Mix, 115 Gyration, PG 64-22</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>		<b>Does not include pavement rehab projects</b>			
		0-1000	(2)	348	
		1001-5000	(0)	0	
		5000+	(1)	440	
<b>Sorted by Project Type</b>					
Bridge	(2)			348	
New Align	(1)			440	
Pvmt Rehab	(2)			933	

<b>Item 401648: Superpave, Type B Hot-Mix, 160 Gyration, PG 64-22</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>		<b>Does not include pavement rehab projects</b>			
		0-1000	(4)	410	
		1001-5000	(1)	372	
		5000+	(3)	923	
<b>Sorted by Project Type</b>					
Blitz	(1)			1492	
Roadway	(3)			514	
Intersection	(2)			308	
Bridge	(1)			295	
New Align	(1)			835	
Pvmt Rehab	(1)			1222	

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### Section 400 - Bituminous Pavements

<b>Item 401651: Superpave, Type C, 160 Gyration, PG 70-22</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>		<b>Does not include pavement rehab projects</b>			
		0-1000	(1)		111
		1001-5000	(2)		501
		5001-10K	(2)		534
		10001K+	(2)		946
<b>Sorted by Project Type</b>					
Blitz	(1)				842
Roadway	(4)				642
Intersection	(1)				549
Bridge	(1)				111
Pvmt Rehab	(1)				627

<b>Item 401654: Superpave, Type B Hot-mix, 160 Gyration, PG 70-22</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>		<b>Does not include pavement rehab projects</b>			
		0-1000	(0)		0
		1001-5000	(2)		485
		5001-10K	(1)		775
		10001K+	(3)		773
<b>Sorted by Project Type</b>					
Blitz	(1)				1032
Roadway	(4)				638
Intersection	(1)				481
Pvmt Rehab	(1)				1172

<b>Item 401657: Superpave, Type C Hot-Mix, 160 Gyration, 76-22</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
		0-1000	( )		
		1001-5000	( )		
<b>Sorted by Project Type</b>					
Pav't & Rehab	(3)				866

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### Section 400 - Bituminous Pavements

<b>Item 401658: Superpave, Type C Hot-Mix, 205 Gyration, 76-22</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
		0-1000	( )	0	
		1001-5000	(1)	601	
<b>Sorted by Project Type</b>					
Intersection	(1)			601	

<b>Item 401662: Superpave, BCBC, 115 Gyration, PG 64-22</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
		0-1000	(0)	0	
		1001-5000	(0)	0	
		5001-10K	(1)	524	
<b>Sorted by Project Type</b>					
New Align	(1)			524	

<b>Item 401663: Superpave, BCBC, 160 Gyration, PG 64-22</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
		0-1000	(1)	429	
		1001-5000	(6)	617	
		5001-10000	(2)	687	
		10K+	(5)	771	
<b>Sorted by Project Type</b>					
Blitz	(3)			724	
Roadway	(6)			632	
Intersection	(4)			578	
New Align	(1)			1081	

## Summary of Production Rates

### Section 400 - Bituminous Pavements

<b>Item 401665: Superpave, Type C Hot-Mix, 160 Gyration, Patching</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
			0-500 (3)	166	
<b>Sorted by Project Type</b>					
Blitz	(1)			55	
Roadway	(1)			159	
Intersection	(1)			285	

<b>Item 401666: Superpave, Type B Hot-Mix, 160 Gyration, Patching</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
			0-500 (5)	228	
			501-1000 (1)	382	
			1001+ (1)	524	
<b>Sorted by Project Type</b>					
Blitz	(1)			382	
Roadway	(3)			299	
Intersection	(3)			255	

<b>Item 401667: Superpave, BCBC, 160 Gyration, Patching</b>					
Type	Project	Quantity	Range (# of Projects)	Tons/crewday	
<b>Sorted by Quantity</b>					
			0-1000 (6)	94	
			1001-5000 (1)	404	
<b>Sorted by Project Type</b>					
Roadway	(3)			119	
Intersection	(4)			152	

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### Section 400 - Bituminous Pavements

<b>Item 406001: Hot-Mix Patching</b>					
Type	Project Quantity Range (# of Projects)			SY-in/crewday	
<b>Sorted by Quantity</b>					
		0-1000 (1)			126
		1001-5000 (3)			1445
<b>Sorted by Project Type</b>					
Bridge	(1)				126
Roadway	(1)				1081
Intersection	(2)				1628

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### Section 500 - Rigid Pavements

<b>Item 501006: Portland Cement Concrete Pavement, 12"</b>					
Type	Project	Quantity	Range (# of Projects)	SY/crewday	
<b>Sorted by Quantity</b>					
		0-5000	(1)	223	
		5001-10000	(0)	0	
		10001-20000	(1)	646	
<b>Sorted by Project Type</b>					
Blitz	(2)			435	
<b>Sorted by Equipment Type</b>					
Paving Machine		(1)		909	
Manual		(2)		304	

<b>Item 501511: Rubblizing Portland Cement Concrete Pavement</b>					
Type	Project	Quantity	Range (# of Projects)	SY/crewday	
<b>Sorted by Quantity</b>					
		0-5000	(0)		
		5001-10000	(1)	4855	
		10001 +	(1)	8686	
<b>Sorted by Project Type</b>					
Roadway	(2)			6771	

<b>Item 503001: Patching Portland Cement Concrete Pavement, 6' to 20', Type A</b>					
Type	Project	Quantity	Range (# of Projects)	SY/crewday	
<b>Sorted by Quantity</b>					
		0-1000	(2)	57	
		1001-5000	(3)	157	
<b>Sorted by Project Type</b>					
Blitz	(1)			243	
Roadway	(3)			74	
Intersection	(1)			121	

## Summary of Production Rates

### Section 500 - Rigid Pavements

<b>Item 503002: Patching P.C.C. Pavement, Greater Than 20' to 100', Type B</b>					
Type	Project Quantity Range (# of Projects)			SY/crewday	
<b>Sorted by Quantity</b>					
		0-500 (4)		74	
		501-1000 (1)		113	
		1001-5000 (1)		257	
<b>Sorted by Project Type</b>					
Blitz	(1)			257	
Roadway	(3)			84	
Intersection	(1)			61	
Bridge	(1)			96	

## Summary of Production Rates

### Section 600 - Structures

<b>Item 602001: Portland Cement Concrete Masonry, Class A</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-10	(2)	1.6	
		11-50	(3)	2.6	
		51-100	(1)	4.0	
<b>Sorted by Project Type</b>					
Blitz	(1)			2.1	
Roadway	(2)			1.9	
New Align	(2)			3.3	
Bridge	(1)			2.5	

<b>Item 602002: Portland Cement Concrete Masonry, Class B</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-10	(2)	1.5	
		11-50	(2)	6.7	
		51-100	(1)	13	
<b>Sorted by Project Type</b>					
Roadway	(2)			7.6	
New Align	(1)			0.8	
Bridge	(2)			6.7	

<b>Item 602007: P.C.C. Masonry, Pier Above Footing, Class A</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-10	(1)	0.2	
		11-20	(2)	2	
<b>Sorted by Project Type</b>					
New Align	(1)			2	
Bridge	(2)			1.2	

## Summary of Production Rates

### Section 600 - Structures

<b>Item 602009: P.C.C. Masonry, Approach Slab, Class A</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-100	(2)	48	
<b>Sorted by Project Type</b>					
New Align	(1)			80	
Bridge	(1)			14.9	

<b>Item 602011: P.C.C. Masonry, Substructure, Class A</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-50	(1)	2.6	
<b>Sorted by Project Type</b>					
Roadway	(1)			2.6	

<b>Item 602013: P.C.C. Masonry, Superstructure, Class D</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-10	(1)	1.1	
<b>Sorted by Project Type</b>					
New Align	(1)			1.1	

<b>Item 602015: P.C.C. Masonry, Abutment Above Footing, Class A</b>					
Type	Project	Quantity	Range (# of Projects)	CY/crewday	
<b>Sorted by Quantity</b>					
		0-50	(2)	2.8	
<b>Sorted by Project Type</b>					
Bridge	(2)			2.8	

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### Section 600 - Structures

<b>Item 602017: Portland Cement Concrete Masonry, Parapet, Class A</b>					
Type	Project Quantity Range (# of Projects)			CY/crewday	
<b>Sorted by Quantity</b>					
		0-10 (3)		2.4	
		11-50 (0)			
		51-350 (2)		4.8	
<b>Sorted by Project Type</b>					
Blitz	(1)			4	
New Align	(1)			4.2	
Bridge	(3)			2.8	
<b>Sorted by Type of Equipment</b>					
Formwork	(5)			2.8	
Slipform	(1)			15	

<b>Item 602522: Precast Concrete Culvert</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-100 (0)			
		101-500 (1)		31	
<b>Sorted by Project Type</b>					
New Align	(1)			31	

<b>Item 602527: P.C.C. Masonry, Precast Pier Cap, Class A</b>					
Type	Project Quantity Range (# of Projects)			CY/crewday	
<b>Sorted by Quantity</b>					
		0-100 (1)		0.9	
<b>Sorted by Project Type</b>					
New Align	(1)			0.9	

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### Section 600 - Structures

<b>Item 602547: Waterproofing Bridge Decks, Sidewalks, etc.</b>					
Type	Project Quantity Range (# of Projects)			SY/crewday	
<b>Sorted by Quantity</b>					
		0-1000 (0)			
		1001-5000 (1)		2563	
<b>Sorted by Project Type</b>					
Bridge	(1)			2563	

<b>Item 602584: Constructing Micro-Silica Modified Concrete Overlay</b>					
Type	Project Quantity Range (# of Projects)			SY/crewday	
<b>Sorted by Quantity</b>					
		0-5K (1)		400	
		1001-15K (1)		408	
<b>Sorted by Project Type</b>					
Bridge	(1)			400	
New Align	(1)			408	

<b>Item 602587: Repair Bridge Deck, Parapet, and Sidewalk</b>					
Type	Project Quantity Range (# of Projects)			CF/crewday	
<b>Sorted by Quantity</b>					
		0-50 (1)		3.8	
<b>Sorted by Project Type</b>					
New Align	(1)			3.8	

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### Section 600 - Structures

<b>Item 602588: Anti-Graffiti Coating</b>					
Type	Project	Quantity	Range (# of Projects)	SY/crewday	
<b>Sorted by Quantity</b>					
		0-50	(1)	58	
		51-100	(1)	166	
		101-500	(2)	284	
		501-1000	(2)	278	
<b>Sorted by Project Type</b>					
New Align	(1)			268	
Bridge	(5)			216	

<b>Item 602611: Repair of Conc. Structures by Epoxy Injection</b>					
Type	Project	Quantity	Range (# of Projects)	LF/crewday	
<b>Sorted by Quantity</b>					
		0-100	(0)		
		101-500	(2)	42	
<b>Sorted by Project Type</b>					
New Align	(1)			31	
Bridge	(1)			52	

<b>Item 605604: Joint Repair with Elastomeric Concrete, 0.5"</b>					
Type	Project	Quantity	Range (# of Projects)	LF/crewday	
<b>Sorted by Quantity</b>					
		0-100	(1)	31	
<b>Sorted by Project Type</b>					
Blitz	(1)			31	

<b>Item 605648: Retrofitting Fixed Bearings</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted by Quantity</b>					
		0-50	(1)	1.4	
<b>Sorted by Project Type</b>					
Bridge	(1)			1.4	

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### Section 600 - Structures

<b>Item 605649: Replacing Bridge Bearing, Type A</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted by Quantity</b>					
		0-50 (1)		0.8	
<b>Sorted by Project Type</b>					
Bridge	(1)			0.8	

<b>Item 605654: Elastomeric Joint Seal</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-400 (3)		115	
<b>Sorted by Project Type</b>					
Bridge	(1)			118	
Blitz	(1)			115	
Intersection	(1)			115	

<b>Item 607000: Removal of Existing Masonry</b>					
Type	Project Quantity Range (# of Projects)			CY/crewday	
<b>Sorted by Quantity</b>					
		0-100 (1)		5.5	
<b>Sorted by Project Type</b>					
New Align	(1)			5.5	

<b>Item 612001: Reinforced Concrete Pipe, 12", Class III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-500 (1)		112	
<b>Sorted By Project Type</b>					
Roadway	(1)			112	

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### Section 600 - Structures

<b>Item 612002: Reinforced Concrete Pipe, 15", Class III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-100 (3)		32	
		101-1000 (2)		148	
		1001+ (3)		185	
<b>Sorted By Project Type</b>					
Blitz	(2)			200	
Bridge	(2)			41	
Rdway	(2)			155	
New Align	(1)			141	
Intersection	(1)			16	

<b>Item 612003: Reinforced Concrete Pipe, 18", Class III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-100 (1)		62	
		101-1000 (2)		132	
		1001+ (2)		220	
<b>Sorted By Project Type</b>					
Blitz	(2)			176	
Bridge	(1)			62	
Rdway	(1)			149	
New Align	(1)			201	

<b>Item 612004: Reinforced Concrete Pipe, 21", Class III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-500 (2)		101	
<b>Sorted By Project Type</b>					
Blitz	(2)			101	

**Summary of Production Rates**

**Section 600 - Structures**

<b>Item 612005: Reinforced Concrete Pipe, 24", Class III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-500 (1)			72
		501-1000 (1)			164
<b>Sorted By Project Type</b>					
Blitz	(1)				164
New Align	(1)				72

<b>Item 612006: Reinforced Concrete Pipe, 27", Class III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-500 (1)			98
<b>Sorted By Project Type</b>					
Blitz	(1)				98

<b>Item 612007: Reinforced Concrete Pipe, 30", Class III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (0)			
		501-1000 (1)			227
<b>Sorted by Project Type</b>					
Roadway	(1)				227

## Summary of Production Rates

### Section 600 - Structures

<b>Item 612009: Reinforced Concrete Pipe, 36", Class III</b>					
Type	Project Quantity Range (# of Projects)	LF/crewday			
<b>Sorted by Quantity</b>					
	0-500 (1)			111	
<b>Sorted by Project Type</b>					
New Align	(1)			111	

<b>Item 612011: Reinforced Concrete Pipe, 48", Class III</b>					
Type	Project Quantity Range (# of Projects)	LF/crewday			
<b>Sorted by Quantity</b>					
	0-500 (0)				
	501-1000 (1)			103	
<b>Sorted by Project Type</b>					
New Align	(1)			103	

<b>Item 612013: Reinforced Concrete Pipe, 60", Class III</b>					
Type	Project Quantity Range (# of Projects)	LF/crewday			
<b>Sorted by Quantity</b>					
	0-500 (0)				
	501-1000 (1)			150	
<b>Sorted by Project Type</b>					
Roadway	(1)			150	

<b>Item 612021: Reinforced Concrete Pipe, 15", Class IV</b>					
Type	Project Quantity Range (# of Projects)	LF/crewday			
<b>Sorted by Quantity</b>					
	0-100 (3)			81	
	101-1000 (0)				
	1001-5000 (1)			155	
<b>Sorted by Project Type</b>					
Roadway	(3)			126	
Intersection	(1)			21	

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**Section 600 - Structures**

<b>Item 612022: Reinforced Concrete Pipe, 18", Class IV</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-100 (2)			102
		101-500 (1)			152
<b>Sorted by Project Type</b>					
Roadway	(2)				102
New Align	(1)				152
<b>Item 612023: Reinforced Concrete Pipe, 24", Class IV</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-100 (0)			
		101-500 (0)			
		501-1000 (2)			109
<b>Sorted by Project Type</b>					
Roadway	(2)				109

<b>Item 612028: Reinforced Concrete Pipe, 48", Class IV</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-100 (0)			
		101-500 (1)			103
<b>Sorted by Project Type</b>					
New Align	(1)				103

<b>Item 612032: Reinforced Concrete Pipe, 15", Class V</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-100 (1)			131
		101-500 (0)			
<b>Sorted by Project Type</b>					
New Align	(1)				131

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### Section 600 - Structures

<b>Item 612049: Reinforced Concrete Pipe, 12", Class V</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-50 (1)			93
<b>Sorted by Project Type</b>					
Roadway	(1)				93

<b>Item 612200: Reinforced Concrete Elliptical Pipe, 14"x23", Class III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-50 (1)			164
<b>Sorted by Project Type</b>					
Roadway	(1)				164

<b>Item 612205: Reinforced Concrete Elliptical Pipe, 19" x 30", Class IV</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-100 (1)			92
<b>Sorted by Project Type</b>					
Roadway	(1)				92

<b>Item 612216: Reinforced Concrete Elliptical Pipe, 14" x 23", Class IV</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-5000 (1)			154
<b>Sorted by Project Type</b>					
Roadway	(1)				154

## Summary of Production Rates

### Section 600 - Structures

<b>Item 612219: Reinforced Concrete Elliptical Pipe, 24" x 38", Class IV</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-100 (1)			132
<b>Sorted by Project Type</b>					
Roadway	(1)				132

<b>Item 612505: PVC Pipe 12"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-1000 (0)			
		1001-2000 (1)			581
<b>Sorted by Project Type</b>					
Roadway	(1)				581

<b>Item 612510: Corrugated Polyethelene Pipe, Type C, 8"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-1000 (1)			387
<b>Sorted by Project Type</b>					
New Align	(1)				387

<b>Item 614512: Ductile Iron Pipe, Cement Lined, 8", Class 52</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-1000 (0)			
		1001-2000 (1)			204
<b>Sorted by Project Type</b>					
Roadway	(1)				204

## Summary of Production Rates

### Section 600 - Structures

<b>Item 619021: Install Cast-In-Place Concrete Pile, 14"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (0)			
		501-1000 (1)		264.5	
<b>Sorted by Project Type</b>					
Bridge	(1)			264.5	

<b>Item 619061: Install Precast Prestressed Concrete Pile, 14" x 14"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (1)		154	
		501-1000 (0)			
		1001-5000 (0)			
		5001-10K (1)		171	
<b>Sorted by Project Type</b>					
Bridge	(1)			154	
New Align	(1)			171	

<b>Item 619063: Install Precast Prestressed Concrete Pile, 18" x 18"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (1)		183	
<b>Sorted by Project Type</b>					
Bridge	(1)			183	

## Summary of Production Rates

### Section 600 - Structures

<b>Item 619064: Install Precast Prestressed Concrete Pile, 20"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-1000 (0)			
		1001-5000 (0)			
		5000+ (1)		101	
<b>Sorted by Project Type</b>					
New Align	(1)			101	

<b>Item 619067: Install Precast Prestressed Concrete Test Pile, 14"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (1)		57	
<b>Sorted by Project Type</b>					
New Align	(1)			57	

<b>Item 619070: Install Precast Prestressed Concrete Test Pile, 20"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (0)			
		501-1000 (1)		38	
<b>Sorted by Project Type</b>					
New Align	(1)			38	

<b>Item 622001: Steel Sheet Piles PZ 22 (Unprotected)</b>					
Type	Project Quantity Range (# of Projects)			SF/crewday	
<b>Sorted by Quantity</b>					
		0-1000 (0)			
		1001-5000 (1)		489	
<b>Sorted by Project Type</b>					
Bridge	(1)			489	

**Summary of Production Rates**

**Section 600 - Structures**

<b>Item 622007: Steel Sheet Piles PZ 22</b>					
<b>Type</b>	<b>Project Quantity Range (# of Projects)</b>			<b>SF/crewday</b>	
<b>Sorted by Quantity</b>					
		0-1000 (0)			
		1001-5000 (1)		2219	
<b>Sorted by Project Type</b>					
Roadway	(1)			2219	

## Summary of Production Rates

### Section 701-706 - P.C.C. Curb & Sidewalk

<b>Item 701010: Portland Cement Concrete Curb, Type I</b>					
Type	Project	Quantity Range (# of Projects)		LF/crewday	
<b>Sorted by Quantity</b>					
		0-500 (4)		347	
		501-1000 (3)		167	
		1001+ (1)		1322	
<b>Sorted by Project Type</b>					
Roadway	(3)			633	
Intersection	(4)			259	
Blitz	(1)			275	
<b>Sorted by Equipment Type</b>					
Curb machine/slip form	(2)			1107	
Conventional forms	(7)			245	

<b>Item 701011: Portland Cement Concrete Curb, Type II</b>					
Type	Project	Quantity Range (# of Projects)		LF/crewday	
<b>Sorted By Quantity</b>					
		0-500(8)		221	
		501-1000 (2)		272	
		1001-5000 (2)		495	
		5000-30,000 (4)		813	
<b>Sorted By Project Type</b>					
Blitz	(3)			491	
Intersection	(4)			262	
Bridge	(2)			131	
Roadway	(4)			442	
New Align	(3)			668	
<b>Sorted By Curb Equipment</b>					
Curb machine/slip form	(8)			616	
Conventional forms	(13)			201	

Summary of Production Rates

**Section 701-706 - P.C.C. Curb & Sidewalk**

<b>Item 701012: Portland Cement Concrete Curb, Type III</b>					
Type	Project	Quantity Range (# of Projects)		LF/crewday	
<b>Sorted By Quantity</b>					
		0-500(0)			
		501-1000 (0)			
		1001-5000 (0)			
		5000+ (1)		783	
<b>Sorted By Project Type</b>					
Roadway	(1)			783	
<b>Sorted By Curb Equipment</b>					
Curb machine/slip form	(1)			1432	
Conventional forms	(1)			134	

<b>Item 701020: Integral Portland Cement Concrete Curb and Gutter, Type I</b>					
Type	Project	Quantity Range (# of Projects)		LF/crewday	
<b>Sorted By Quantity</b>					
		0-500(1)		510	
		501-1000 (1)		359	
		1001-5000 (3)		356	
<b>Sorted By Project Type</b>					
Roadway	(4)			331	
Blitz	(1)			458	
<b>Sorted By Curb Equipment</b>					
Curb machine/slip form	(3)			471	
Conventional forms	(4)			216	

## Summary of Production Rates

### Section 701-706 - P.C.C. Curb & Sidewalk

<b>Item 701021: Integral PCC Curb and Gutter, Type II</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-500(2)		210	
		501-1000 (1)		173	
<b>Sorted By Project Type</b>					
Roadway	(3)			197	
<b>Sorted By Curb Equipment</b>					
Curb machine/slip form	(1)			226	
Conventional forms	(2)			183	

<b>Item 701022: Integral PCC Curb and Gutter, Type III</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-500(0)			
		501-1000 (2)		160	
		1001-5000 (1)		238	
		5001+ (4)		804	
<b>Sorted By Project Type</b>					
Roadway	(5)			695	
New Align	(1)			58	
Intersection	(1)			238	
<b>Sorted By Curb Equipment</b>					
Curb machine/slip form	(5)			1123	
Conventional forms	(6)			293	

## Summary of Production Rates

### Section 701-706 - P.C.C. Curb & Sidewalk

<b>Item 701024: Integral PCC Curb and Gutter, Type IV</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-1000(1)			289
		1001-5K (0)			
		5001-10K (0)			
		10K+ (1)			745
<b>Sorted By Project Type</b>					
Blitz	(2)				517
<b>Sorted By Curb Equipment</b>					
Curb machine/slip form	(2)				622
Conventional forms	(1)				113

<b>Item 705001: PCC Sidewalk, 4"</b>					
Type	Project Quantity Range (# of Projects)			SF/crewday	
<b>Sorted By Quantity</b>					
		0-10,000 (5)			1081
		10,001-20K (2)			1278
		20K-60K (5)			1807
<b>Sorted By Project Type</b>					
Blitz	(2)				1302
Roadway	(6)				1470
Bridge	(2)				987
Intersection	(2)				1802
<b>Sorted By Curb Equipment</b>					
Sidewalk machine	(1)				5838
Conventional forms	(12)				1321

## Summary of Production Rates

### Section 701-706 - P.C.C. Curb & Sidewalk

<b>Item 705002: PCC Sidewalk, 6"</b>					
Type	Project Quantity Range (# of Projects)			SF/crewday	
<b>Sorted By Quantity</b>					
		0-5000 (8)		653	
		5001-10K (1)		1059	
		10001-20K (2)		1175	
		20K+ (1)		1248	
<b>Sorted By Project Type</b>					
Blitz	(2)			1175	
Roadway	(6)			980	
New Align	(2)			280	
Intersection	(2)			546	

<b>Item 705502: Curb Ramp, Type II, III and/or IV</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-10 (2)		3.7	
		11-20 (2)		4.7	
<b>Sorted By Project Type</b>					
Roadway	(2)			4.9	
Bridge	(1)			2.5	
Pvtmt Rehab	(1)			4.7	

<b>Item 705519: Patterned Portland Cement Concrete Sidewalk, 6"</b>					
Type	Project Quantity Range (# of Projects)			SF/crewday	
<b>Sorted By Quantity</b>					
		0-1000 (0)			
		1001-5000 (2)		667	
		50001-10K (2)		1005	
<b>Sorted By Project Type</b>					
Blitz	(1)			583	
Roadway	(2)			1117	
Intersection	(1)			527	

## Summary of Production Rates

### Section 707-718 - Drainage

<b>Item 708050: Drainage Inlet, 34" x 18"</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-10 (3)		2	
		11-20 (1)		2	
		21-30 (1)		3	
		31-40 (0)			
		41-50 (1)		3	
<b>Sorted By Project Type</b>					
Blitz	(1)			3	
Roadway	(4)			3	
New Align	(1)			3	

<b>Item 708051: Drainage Inlet, 34" x 24"</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-10 (4)		3	
		11-20 (2)		4	
		21-30 (2)		3	
<b>Sorted By Project Type</b>					
Blitz	(1)			3	
Roadway	(4)			3	
Intersection	(3)			3	

<b>Item 708052: Drainage Inlet, 48" x 30"</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-10 (5)		3	
		11-20 (1)		3	
<b>Sorted By Project Type</b>					
Blitz	(1)			3	
New Align	(2)			3	
Roadway	(2)			2	
Intersection	(1)			2	

## Summary of Production Rates

### Section 707-718 - Drainage

<b>Item 708053: Drainage Inlet, 48" x 48"</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(2)	3	
<b>Sorted By Project Type</b>					
New Align	(1)			3	
Roadway	(1)			3	

<b>Item 708054: Drainage Inlet, 66" x 30"</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(1)	2.5	
<b>Sorted By Project Type</b>					
Blitz	(1)			2.5	

<b>Item 708055: Drainage Inlet, 66" x 48"</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(1)	2.5	
<b>Sorted By Project Type</b>					
Blitz	(1)			2.5	

<b>Item 708105: Manhole, Sanitary</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(1)	3	
<b>Sorted By Project Type</b>					
Roadway	(1)			3	

## Summary of Production Rates

### Section 707-718 - Drainage

<b>Item 708111: Manhole, 48" x 30"</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(2)	3	
<b>Sorted By Project Type</b>					
Roadway	(1)			3	
Blitz	(1)			2.5	

<b>Item 708112: Manhole, 48" x 48"</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(2)	3	
<b>Sorted By Project Type</b>					
Roadway	(2)			3	

<b>Item 708115: Manhole, 66" x 66"</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(1)	3.3	
<b>Sorted By Project Type</b>					
New Align	(1)			3.3	

<b>Item 708500: Replacing Catch Basin Grates</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-25	(1)	13	
		26-50	(1)	15	
		51-100	(0)		
		101-125	(1)	15	
<b>Sorted By Project Type</b>					
Blitz	(1)			15	
Roadway	(2)			14	

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### Section 707-718 - Drainage

<b>Item 708504: Replacing Catch Basin Frames</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
			0-25 (1)	13	
			26-50 (1)	15	
			51-100 (0)		
			101-125 (1)	15	
<b>Sorted By Project Type</b>					
Blitz		(1)		15	
Roadway		(2)		14	

<b>Item 708512: Drainage Inlet, Special I</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
			0-25 (3)	3	
<b>Sorted By Project Type</b>					
Roadway		(3)		3	

<b>Item 708513: Drainage Inlet, Special II</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
			0-25 (1)	3	
<b>Sorted By Project Type</b>					
Roadway		(1)		3	

<b>Item 708585: Junction Box, 48" x 30"</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
			0-25 (2)	5	
<b>Sorted By Project Type</b>					
Roadway		(1)		5	
Blitz		(1)		5	

## Summary of Production Rates

### Section 707-718 - Drainage

<b>Item 708587: Junction Box, 66" x 30"</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-25 (1)			5
<b>Sorted By Project Type</b>					
Blitz	(1)				5

<b>Item 710001: Adjusting and Repairing Existing Drainage Inlets</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-25 (2)			7.5
		26-50 (0)			
		51-100 (1)			10
<b>Sorted By Project Type</b>					
Roadway	(2)				13
Intersection	(1)				6

<b>Item 710002: Adjusting and Repairing Existing Manhole</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-25 (2)			7
<b>Sorted By Project Type</b>					
Roadway	(1)				3
Intersection	(1)				10

## Summary of Production Rates

### Section 707-718 - Drainage

<b>Item 712005: Rip Rap, R-4</b>					
Type	Project	Quantity Range (# of Projects)		SY/crewday	
<b>Sorted By Quantity</b>					
		0-100 (3)		202	
		101-500 (5)		250	
		500+ (2)		152	
<b>Sorted By Project Type</b>					
Roadway	(3)			170	
Intersection	(1)			324	
Bridge	(2)			141	
New Align	(3)			284	
Blitz	(1)			193	

<b>Item 712006: Rip Rap, R-5</b>					
Type	Project	Quantity Range (# of Projects)		SY/crewday	
<b>Sorted By Quantity</b>					
		0-100 (3)		139	
		101-500 (1)		281	
		500+ (2)		162	
<b>Sorted By Project Type</b>					
Roadway	(2)			162	
Intersection	(1)			168	
New Align	(2)			193	
Blitz	(1)			144	

<b>Item 712007: Rip Rap, R-6</b>					
Type	Project	Quantity Range (# of Projects)		SY/crewday	
<b>Sorted By Quantity</b>					
		0-500 (1)		185	
		501-1000 (0)			
		1001-5000 (1)		518	
<b>Sorted By Project Type</b>					
Roadway	(1)			185	
New Align	(1)			518	

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### Section 707-718 - Drainage

<b>Item 712020: Rip Rap, R-4</b>					
Type	Project Quantity Range (# of Projects)			Tons/crewday	
<b>Sorted By Quantity</b>					
		0-250 (1)		110	
		251-500 (1)		457	
<b>Sorted By Project Type</b>					
Bridge	(1)			110	
New Align	(1)			457	

<b>Item 712021: Rip Rap, R-5</b>					
Type	Project Quantity Range (# of Projects)			Tons/crewday	
<b>Sorted By Quantity</b>					
		0-100 (1)		110	
		101-200 (0)			
		201-300 (1)		173	
<b>Sorted By Project Type</b>					
Bridge	(2)			142	

<b>Item 712022: Rip Rap, R-6</b>					
Type	Project Quantity Range (# of Projects)			Tons/crewday	
<b>Sorted By Quantity</b>					
		0-500 (1)		108	
		501-1000 (1)		87	
		1001-1500 (1)		563	
		1501-2000 (0)			
		2001-2500 (1)		269	
<b>Sorted By Project Type</b>					
Bridge	(1)			108	
New Align	(2)			416	
Roadway	(1)			87	

## Summary of Production Rates

### Section 707-718 - Drainage

<b>Item 712023: Rip Rap, R-7</b>					
Type	Project Quantity Range (# of Projects)			Tons/crewday	
<b>Sorted By Quantity</b>					
		0-500 (1)		103	
<b>Sorted By Project Type</b>					
Bridge	(1)			103	

<b>Item 712531: Channel Bed Fill</b>					
Type	Project Quantity Range (# of Projects)			CY/crewday	
<b>Sorted By Quantity</b>					
		0-500 (1)		64	
<b>Sorted By Project Type</b>					
New Align	(1)			64	

<b>Item 715001: Perforated Pipe Underdrain, 6"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-1000 (1)		403	
		1001-2000 (0)			
		2001-3000 (1)		700	
		3001-4000 (2)		1040	
		4001-5000 (1)		341	
		5001-6000 (1)		366	
		6001+ (1)		1267	
<b>Sorted By Project Type</b>					
Intersection	(1)			403	
New Align	(1)			202	
Blitz	(2)			691	
Roadway	(3)			943	

## Summary of Production Rates

### Section 719-731 - Guardrail & Fencing

<b>Item 720050: Galvanized Steel Beam Guardrail, Type I</b>					
Type	Project	Quantity Range (# of Projects)		LF/crewday	
<b>Sorted By Quantity</b>					
		0-1000 (6)		373	
		1001-2000 (3)		539	
		2001-3000 (0)			
		3001-4000 (1)		1453	
		4001-5000 (1)		747	
		5001-6000 (0)			
		6001+ (1)		958	
<b>Sorted By Project Type</b>					
New Align	(3)			833	
Bridge	(2)			599	
Blitz	(3)			527	
Roadway	(4)			434	

<b>Item 720051: Galvanized Steel Beam Guardrail, Type II</b>					
Type	Project	Quantity Range (# of Projects)		LF/crewday	
<b>Sorted By Quantity</b>					
		0-1000 (1)		484	
<b>Sorted By Project Type</b>					
Roadway	(1)			484	

<b>Item 720506: Relocating Portable PCC Safety Barrier</b>					
Type	Project	Quantity Range (# of Projects)		LF/crewday	
<b>Sorted By Quantity</b>					
		0-1000 (1)		853	
		1001-2000 (2)		1275	
		2001-3000 (2)		887	
<b>Sorted By Project Type</b>					
Bridge	(1)			1555	
Blitz	(2)			887	
Roadway	(2)			924	

## Summary of Production Rates

### Section 719-731 - Guardrail & Fencing

<b>Item 720562: Steel Backed Timber Guardrail, Timber Post</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-1000 (1)		126	
<b>Sorted By Project Type</b>					
Bridge	(1)			126	

<b>Item 720567: Furnish &amp; Maintain Portable PCC Safety Barrier</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-1000 (4)		793	
		1001-2000 (2)		663	
		2001-3000 (0)			
		3001+ (2)		1017	
<b>Sorted By Project Type</b>					
Bridge	(2)			821	
Intersection	(1)			497	
New Align	(1)			707	
Blitz	(2)			665	
Roadway	(2)			1179	

<b>Item 720585: Guardrail End Treatment Attenuator, Type I</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-10 (11)		4	
		20-25 (1)		9	
<b>Sorted By Project Type</b>					
Bridge	(2)			3.5	
Intersection	(1)			3	
New Align	(1)			9	
Blitz	(3)			4	
Roadway	(5)			5	

## Summary of Production Rates

### Section 719-731 - Guardrail & Fencing

<b>Item 720586: Guardrail End Treatment Attenuator, Type II</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(6)	4	
<b>Sorted By Project Type</b>					
Bridge	(2)			4	
Intersection	(1)			3	
New Align	(1)			5	
Blitz	(1)			5	
Roadway	(1)			5	

<b>Item 720588: Guardrail End Treatment Attenuator, Type III</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(2)	4	
<b>Sorted By Project Type</b>					
New Align	(1)			3	
Roadway	(1)			4	

## Summary of Production Rates

### Section 732-741 - Landscaping & Erosion Control

<b>Item 732002: Topsoil, 6" Depth</b>					
Type	Project Quantity Range (# of Projects)			SY/crewday	
<b>Sorted By Quantity</b>					
		0-6000 (6)		858	
		6,001-12,000 (7)		1376	
		45K -115 (1)		1705	
<b>Sorted By Project Type</b>					
Bridge	(3)			923	
Intersection	(3)			1538	
New Align	(1)			806	
Blitz	(2)			1619	
Roadway	(5)			1094	
<b>Sorted By Equipment</b>					
Gradall	(7)			1144	
Widener	(1)			3094	

<b>Item 733002: Topsoiling, 6" Depth</b>					
Type	Project Quantity Range (# of Projects)			SY/crewday	
<b>Sorted By Quantity</b>					
		0-25,000 (4)		1257	
		25,001-30K (2)		1940	
		30,001-60K (1)		4020	
<b>Sorted By Project Type</b>					
New Align	(2)			3431	
Blitz	(1)			808	
Roadway	(4)			1315	

**Summary of Production Rates**

**Section 732-741 - Landscaping & Erosion Control**

<b>Item 734013: Permanent Grass Seeding, Dry Ground</b>					
<b>Type</b>	<b>Project Quantity Range (# of Projects)</b>			<b>SY/crewday</b>	
<b>Sorted By Quantity</b>					
		0-5000 (8)		2578	
		5001-45K (5)		5349	
		45K-120K + (5)		12004	
<b>Sorted By Project Type</b>					
Bridge	(5)			4824	
Intersection	(4)			3913	
New Align	(2)			12662	
Blitz	(3)			3645	
Roadway	(4)			9125	

## Summary of Production Rates

### Section 742-754 - Traffic

<b>Item 745513: Multiduct Conduit Under New Pavement or in Sodded Trench, 4"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-2500 (3)		287	
		2501-10,000 (3)		551	
<b>Sorted By Project Type</b>					
Intersection	(1)			118	
New Align	(1)			466	
Roadway	(4)			482	

<b>Item 745517: HDPE Conduit Under New Pav't or in Sodded Trench, 4"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-500 (0)			
		501-1000K (0)			
		1001-1500 (0)			
		1501-2000 (0)			
		2001-2500 (0)			
		2501K + (1)		889	
<b>Sorted By Project Type</b>					
New Align	(1)			889	

<b>Item 746517: Al. Light Standard, 30 ft, Double Davit</b>					
Type	Project Quantity Range (# of Projects)			EA/crewday	
<b>Sorted By Quantity</b>					
		0-10 (0)			
		11-20 (1)		15	
<b>Sorted By Project Type</b>					
Intersection	(1)			15	

## Summary of Production Rates

### Section 742-754 - Traffic

<b>Item 746547: Pole and Pole Installation, 25'</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(1)	10	
		11-20	(0)		
<b>Sorted By Project Type</b>					
Roadway		(1)		10	

<b>Item 746548: Pole and Pole Installation, 28'</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(2)	2	
		11-20	(1)	10	
		21-30	()		
<b>Sorted By Project Type</b>					
Roadway		(2)		7	
Intersection		(1)		1	

<b>Item 746550: Pole and Pole Installation, 32'</b>					
Type	Project	Quantity	Range (# of Projects)	EA/crewday	
<b>Sorted By Quantity</b>					
		0-10	(1)	3	
<b>Sorted By Project Type</b>					
Roadway		(1)		3	

## Summary of Production Rates

### Section 742-754 - Traffic

<b>Item 748001: Painting of White or Yellow, 4" Line</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-5000 (3)			3643
		5001-10K (0)			
		10001-15K (1)			6555
		15001-20K (1)			4745
<b>Sorted By Project Type</b>					
Bridge	(2)				4984
New Align	(1)				6555
Roadway	(2)				2853

<b>Item 748003: Painting of White or Yellow, Symbol/Legend</b>					
Type	Project Quantity Range (# of Projects)			SF/crewday	
<b>Sorted By Quantity</b>					
		0-300 (1)			103
		301-600 (1)			486
<b>Sorted By Project Type</b>					
Bridge	(1)				103
New Align	(1)				486

<b>Item 748014: Permanent Pavement Striping, Alkyd-Thermoplastic 4"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-15,000 (2)			5,766
		15,001-25K (4)			11,601
		25001+ (3)			25,520
<b>Sorted By Project Type</b>					
Blitz	(3)				24,242
Roadway	(2)				11,460
Intersection	(1)				10,017
Bridge	(1)				3,493
New Align	(2)				12,671

## Summary of Production Rates

### Section 742-754 - Traffic

<b>Item 748015: Permanent Pavement Striping, Symbol/Legend, Thermoplastic</b>					
Type	Project Quantity Range (# of Projects)			SF/crewday	
<b>Sorted By Quantity</b>					
		0-500 (6)		486	
		501-3000 (6)		830	
		3001 + (1)		2,533	
<b>Sorted By Project Type</b>					
Blitz	(2)			700	
Roadway	(4)			1,175	
Intersection	(4)			737	
Bridge	(1)			823	
New Align	(2)			279	

<b>Item 748017: Permanent Pavement Striping, Alkyd-Thermoplastic, 6"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-500 (1)		554	
<b>Sorted By Project Type</b>					
New Align	(1)			554	

<b>Item 748506: Permanent Pavement Striping, Epoxy Resin Paint, 4"</b>					
Type	Project Quantity Range (# of Projects)			LF/crewday	
<b>Sorted By Quantity</b>					
		0-5000 (3)		3,018	
		5001-25K (2)		15,307	
		25001+ (6)		30,919	
<b>Sorted By Project Type</b>					
Blitz	(2)			2,583	
Roadway	(5)			33,823	
Intersection	(2)			13,476	
Bridge	(2)			11,975	

## Summary of Production Rates

### Section 742-754 - Traffic

<b>Epoxy Resin Paint</b>					
Type	Project	Quantity	Range (# of Projects)	SF/crewday	
<b>Sorted By Quantity</b>					
		0-500	(1)	525	
<b>Sorted By Project Type</b>					
Roadway		(1)		525	

<b>Item 748530: Removal of Pavement Striping</b>					
Type	Project	Quantity	Range (# of Projects)	SF/crewday	
<b>Sorted By Quantity</b>					
		0-5000	(5)	2,271	
		5001-10K	(4)	2,342	
<b>Sorted By Project Type</b>					
Blitz		(1)		363	
Roadway		(3)		2,676	
Intersection		(3)		2,541	
New Align		(1)		1,342	
Bridge		(1)		3,370	

## Summary of Production Rates

### Section 755-763 - Miscellaneous

<b>Item 755000: Hot-Mix, Hot Laid, Bituminous Concrete Curb</b>					
Type	Project	Quantity	Range (# of Projects)	LF/crewday	
<b>Sorted By Quantity</b>					
			0-500 (2)	674	
			501-1000 (3)	1,147	
<b>Sorted By Project Type</b>					
Blitz	(1)			757	
Roadway	(1)			855	
New Align	(2)			1,065	
Bridge	(1)			1,046	

<b>Item 758000: Removal of Existing P.C.C. Pavements, Curbs, Sidewalks, Etc.</b>					
Type	Project	Quantity	Range (# of Projects)	SY/crewday	
<b>Sorted By Quantity</b>					
			0-5000 (6)	315	
			5001-10K (1)	3,767	
			10001-15K (2)	565	
			15001-20K (1)	566	
			20001+ (3)	1,143	
<b>Sorted By Project Type</b>					
Blitz	(3)			820	
Roadway	(5)			724	
Intersection	(2)			401	
New Align	(2)			1,926	
Bridge	(1)			138	

## Summary of Production Rates

### Section 755-763 - Miscellaneous

<b>Item 760000: Pavement - Milling, Hot-Mix</b>					
Type	Project	Quantity	Range (# of Projects)	SY-in/crewday	
<b>Sorted By Quantity</b>					
			0-5000 (2)	968	
			5001-10K (1)	7,926	
			10001-15K (0)		
			15001-20K (1)	2,322	
			20001+ (2)	7,923	
<b>Sorted By Project Type</b>					
Roadway	(3)			3,878	
Intersection	(1)			7,105	
New Align	(1)			7,926	
Bridge	(1)			1,364	

<b>Item 760001: Pavement - Milling, Concrete</b>					
Type	Project	Quantity	Range (# of Projects)	SY-in/crewday	
<b>Sorted By Quantity</b>					
			0-500 (0)		
			501-1000 (1)	837	
<b>Sorted By Project Type</b>					
Intersection	(1)			837	

<b>Item 760507: Profile Milling, Hot-Mix</b>					
Type	Project	Quantity	Range (# of Projects)	SY-in/crewday	
<b>Sorted By Quantity</b>					
			0-10K (1)	2,463	
			10001-20K (0)		
			20001-30K (1)	8,658	
			30001-40K (0)		
			40001-45K (0)		
			45001-50K (0)		
			50001+ (3)	16,933	
<b>Sorted By Project Type</b>					
Blitz	(1)			17,487	
Bridge	(2)			5,561	
Intersection	(2)			16,656	