

**HENDERSON SUBSTATION - NJT00768**  
**NJ TRANSIT LIQUIDATED DAMAGE ESTIMATE**

Henderson Substation Liquidated Damages

2/15/2017

ESTIMATED FOR ONE CALENDAR DAY

BILLING DESCRIPTION	DURATION (DAYS)	RATE (PER DAY)	COSTS	TOTAL COSTS
<b>I OUTSIDE LABOR</b>				
<b>PROJECT DESIGN TEAM</b>				
PRINCIPLE ENGINEER	0.063	\$636.00	\$40.07	
STAFF ENGINEER	0.125	\$396.00	\$49.50	
INSPECTORS	0.000	\$396.00	\$0.00	
CLERK	0.000	\$204.00	\$0.00	
SUBTOTAL	0.188		\$89.57	\$89.57
OVERHEAD (156.43%)				\$140.11
FEE (10%)				\$22.97
SUBTOTAL				\$252.65
<b>PROJECT MANAGEMENT TEAM</b>				
PROJECT MANAGER (PM)	0.063	\$636.00	\$40.07	
PM SUPPORT STAFF	0.000	\$204.00	\$0.00	
SUBTOTAL	0.063		\$40.07	\$40.07
OVERHEAD (148%)				\$59.30
FEE (8.75%)				\$9.94
SUBTOTAL				\$109.31
<b>CONSTRUCTION MANAGEMENT TEAM</b>				
<b>CONSTRUCTION</b>				
MANAGER - OVERSIGHT	0.063	\$636.00	\$40.07	
RESIDENT ENGINEER	1.000	\$488.00	\$488.00	
INSPECTORS (CM)	0.250	\$396.00	\$99.00	
CLERK	0.000	\$204.00	\$0.00	
SUBTOTAL	1.313		\$627.07	\$627.07
OVERHEAD (125%)				\$783.84
FEE (10%)				\$141.09
SUBTOTAL				\$1,551.99
<b>I. TOTAL</b>				<b>\$1,913.95</b>
<b>II INSIDE LABOR (NJT CM/PM PROJECT TEAM)</b>				
PROJECT MANAGER (PM)	0.125	\$350.00	\$43.75	
CONTRACTING OFFICER	0.063	\$300.00	\$18.90	
CLERK (PM)	0.250	\$120.00	\$30.00	
PRINCIPLE ENGINEER (CM)	0.000	\$350.00	\$0.00	
RESIDENT ENGINEER (CM)	0.250	\$300.00	\$75.00	
INSPECTORS (CM)	0.000	\$280.00	\$0.00	
CLERK (CM)	0.250	\$120.00	\$30.00	
SUBTOTAL	0.938		\$197.65	\$197.65
FRINGE (87.29%)				\$172.53
OVERHEAD (88.86%)				\$175.63

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<b>II. TOTAL</b>				<b>\$545.81</b>
<b>III INSIDE LABOR (RAILROAD FORCES)</b>				
CATENARY (E.T.) or CLASS A MAN (Cutovers)	0.500	\$360.00	\$180.00	
TRACK FLAGMAN (1)	0.500	\$360.00	\$180.00	
SUBTOTAL	1.000		\$360.00	\$360.00
FRINGE (87.41%)				\$314.68
OVERHEAD (87.86%)				\$316.30
<b>III. TOTAL</b>				<b>\$990.97</b>
<b>TOTAL LABOR COSTS (I,II,&amp; III)</b>				<b>\$3,450.73</b>

**IV DIRECT COSTS**

<b>A. TRANSPORTATION</b>				
AUTOMOBILES	1.000	\$35.00	\$35.00	\$35.00
<b>B. FIELD OFFICE</b>				
RENT, MAINT., PHONE, ELECTRICITY, SUPPLIES	1.000	\$25.00	\$25.00	\$25.00
<b>C. MISCELLANEOUS</b>				
TRAVEL, TOLLS, CELLULAR, PAGER, OFFICE SUPPLIES	1.000	\$25.00	\$25.00	\$25.00
<b>D. EMERGENCY STORM MANAGEMENT CONTRACTOR</b>				
MAINTAIN EQUIPMENT	0.000	\$200.49	\$0.00	\$0.00
\$108,265 FOR 12 MONTHS				
(Required for MMC flood control)				
<b>IV. TOTAL DIRECT COSTS</b>				<b>\$85.00</b>

**LIQUIDATED DAMAGES EQUAL** **\$3,536 PER DAY**

**SAY \$3,600 PER DAY**