MARYLAND TRANSIT ADMINISTRATION

MARYLAND DEPARTMENT OF TRANSPORTATION

Martin O'Malley, Governor • Anthony G. Brown, Lt. Governor

James T. Smith, Jr., Secretary • Robert L. Smith, Administrator

TO: All Planholders

FROM: Maryland Transit Administration

SUBJECT: **ADDENDUM NO. 2**
Contract No.: T-1321-0240
Metro Mandated Cable Testing

DATE: August 22, 2014

Enclosed and effective this date is Addendum No. 2 to the subject Contract. This change (does not) delay the Bid Opening Date of August 27, 2014.

A list of the changes made to this contract is attached to this Addendum. **Also attached are answers to contractors' questions.**

The Bidder shall acknowledge receipt of this Addendum by completing and returning this form with the bid package.

All other terms and conditions remain unchanged.

Sincerely,

Joseph B Johnson
Joseph B Johnson, Procurement Officer
Construction Installation Services Section
Procurement Division

Acknowledgement of receipt of ADDENDUM # 2 to Solicitation #T-1321-0240

Vendor Name: _____

_____ _____

Authorized Representative's Signature Date

ADDENDUM NO.: 2
DATE: 8/22/14
CONTRACT NO.: T-1321-0240

The following additions, deletions, and modifications are hereby made a part of the Contract Documents of Metro Mandated Cable Testing, Contract No.: T-1321-0240.

Item No.	Page	Modification
I. CONTRACT SPECIFICATIONS		
1	ATTACHMENT F-BID FORM	Please note that revision has been made to the Bid Form; all revisions are marked.
II. CONTRACT DRAWINGS		

Also attached are the answers to contractors' questions, if any.

Item	Description	Cable Type	Estimate of Quantity	Unit	Unit Price	Total Price
001	Cable Inspection, Testing and Re-tagging of Cables and terminal post	2C#6	6	ea		
002	Cable Inspection, Testing and Re-tagging of Cables and terminal post	2C #9	180	ea		
003	Cable Inspection, Testing and Re-tagging of Cables and terminal post	2C #14	486	ea		
004	Cable Inspection, Testing and Re-tagging of Cables and terminal post	2C #16	55	ea		
005	Cable Inspection, Testing and Re-tagging of Cables and terminal post	3C #6	8	ea		
006	Cable Inspection, Testing and Re-tagging of Cables and terminal post	4C #4	12	ea		
007	Cable Inspection, Testing and Re-tagging of Cables and terminal post	4C #9	1	ea		
008	Cable Inspection, Testing and Re-tagging of Cables and terminal post	5C #6	2	ea		
009	Cable Inspection, Testing and Re-tagging of Cables and terminal post	5C #14	127	ea		
010	Cable Inspection, Testing and Re-tagging of Cables and terminal post	6C #14	17	ea		
011	Cable Inspection, Testing and Re-tagging of Cables and terminal post	7C #14	42	ea		

Item	Description	Cable Type	Estimate of Quantity	Unit	Unit Price	Total Price
012	Cable Inspection, Testing and Re-tagging of Cables and terminal post	8C #4	2	ea		
013	Cable Inspection, Testing and Re-tagging of Cables and terminal post	8C #6	8	ea		
014	Cable Inspection, Testing and Re-tagging of Cables and terminal post	8C #9	4	ea		
015	Cable Inspection, Testing and Re-tagging of Cables and terminal post	8C #14	2	ea		
016	Cable Inspection, Testing and Re-tagging of Cables and terminal post	9C #14	14	ea		
017	Cable Inspection, Testing and Re-tagging of Cables and terminal post	10C #14	13	ea		
018	Cable Inspection, Testing and Re-tagging of Cables and terminal post	10C #16	9	ea		
019	Cable Inspection, Testing and Re-tagging of Cables and terminal post	12C #14	12	ea		
020	Cable Inspection, Testing and Re-tagging of Cables and terminal post	14C Composite	105	ea		
021	Cable Inspection, Testing and Re-tagging of Cables and terminal post	15C Composite	3	ea		
022	Cable Inspection, Testing and Re-tagging of Cables and terminal post	19C #14	1	ea		
023	Cable Inspection, Testing and Re-tagging of Cables and terminal post	27C #14	13	ea		
024	Cable Inspection, Testing and Re-tagging of Cables and terminal post	31C #14	23	ea		

Item	Description	Cable Type	Estimate of Quantity	Unit	Unit Price	Total Price
025	Cable Inspection, Testing and Re-tagging of Cables and terminal post	37C #14	9	ea		
026	Power frequency Track circuit cable to rail connections (Cembre)	2C #9 or 2C #6	354	ea		
027	Impedance Bond side lead (1000 Kcmil to twin 500 Kcmil Cembre Connections)	Not applicable	200	ea		
028	TC&C Hardware replacement at Lexington Market	Not applicable	1	Location		
029	TC&C Hardware replacement at Rogers Ave.	Not applicable	1	Location		
030	Miscellaneous Work Allowance cable replace or repair (Labor & Material)	Not applicable	1	ea	$400,000.00	$400,000.00
031	Miscellaneous Work Allowance	Not applicable	1	ea	$218,904.96	$218,904.96
032	**Total Signal Cable**					

Item	Description		Estimate of Quantity	Unit	Unit Price	Total Price
033	Cable Inspection, Testing and Re-tagging of Cables	Pos. Feeder 1000 Kcmil	480	ea		
034	Cable Inspection, Testing and Re-tagging of Cables	Neg. Feeder 1000 Kcmil	154	ea		
035	Cable Inspection, Testing and Re-tagging of Cables	Indication 22C #14	4	ea		

Item	Description	Cable Type	Estimate of Quantity	Unit	Unit Price	Total Price
036	Cable Inspection, Testing and Re-tagging of Cables	Indication 20C #14	12	ea		
037	Cable Inspection, Testing and Re-tagging of Cables	Indication 15C #14	0	ea		
038	Cable Inspection, Testing and Re-tagging of Cables	Indication 14C #14	4	ea		
039	Cable Inspection, Testing and Re-tagging of Cables	Indication 13C #14	4	ea		
040	Cable Inspection, Testing and Re-tagging of Cables	Indication 12C #14	107	ea		
041	Cable Inspection, Testing and Re-tagging of Cables	Indication 9C #14	78	ea		
042	Cable Inspection, Testing and Re-tagging of Cables	Indication 8C #14	4	ea		
043	Cable Inspection, Testing and Re-tagging of Cables	Indication 7C #14	69	ea		
044	Cable Inspection, Testing and Re-tagging of Cables	Indication 5C #14	78	ea		
045	Cable Inspection, Testing and Re-tagging of Cables	Indication 4C #14	12	ea		
046	Cable Inspection, Testing and Re-tagging of Cables	Indication 3C #14	220	ea		

Item	Description	Cable Type	Estimate of Quantity	Unit	Unit Price	Total Price
047	Cable Inspection, Testing and Re-tagging of Cables	Indication 1C #12	72			
048	**Total Traction Power**					
TOTAL	**Cable Test**					

Basis of Award: Total amount of items 001 thru 048 (figures)

_____

(words)

This amount will only be added to the base bid in the event that the bidder is excluded from the wrap-up insurance program or the program is terminated mid-term. The Insurance Premium Worksheet must be attached to the bid.

049		Insurance Premium (Contingency)	LS	LS	LS	

T-1321-0240 RFI Response

1. Bid Form Item 030 & 031 "MWA cable replace or repair": Typically the MTA will plug an allowance in the bid form for an MWA Bid Item. Does MTA want the contractor to guess at this number? There is not enough information to provide an accurate number regarding what cables need replacing or repair.

Response

Bid item #030 MWA cable replace or repair (Labor & Material) $400,000 assigned.

Bid item #031 MWA $218,904.96 assigned.

2. Bid Items 042, 048 and "Total" look like headers for the Bid Items that follow below each. Does MTA expect a value applied to these Bid Items or should they be excluded from the Bid Form?

Response

Bid item #048 is total for traction power.

Bid item # 042 is line item for inclusion.

3. There is no clear place on the Bid Form where the contractor should enter the total price for all applicable Bid Items. Please include or advise where to enter the total bid price.

Response

Bid item # 032 is for total signal cables, 048 is total for traction power, and total for both should be included by contractor.

4. Bid Item 037 shows a zero quantity. Should this be removed from the Bid Form?

Response

Bid item # 037 is for information only. No bid required.

5. Section 3.2.1, B.

Scope calls for Contractor to repair or replace cables; but also specifies this is to be covered under MWA. There is no allowance in the bid form for MWA bid items. Contractor needs more information to provide cost to repair and replace cables or will the MTA provide an MWA allowance in an updated Bid Form?

Response

Bid item # 030,031 provide specific amounts allocated to MWA bid items.

6. Specification Section 17801 Section 1.05, F.

"Time before and after 'hands on' work hours shall be used for Contractor preparation and Contractor support of MTA pre/post testing. "Please explain the MTA pre/post testing activities and will these encroach on the "hand on"
work hours defined?

Response

Refer to section 17898, 3.02 for MTA pre/post testing. This will not encroach on the "hands on" hours.

7. Test 1.0, Field cable Test Procedure, Section 2 Item "e":"Hi-Pot testing (New Traction Power Cables Only)." Since "New" cable would be covered under the Miscellaneous Work Allowance and then Hi-Pot testing would also be covered under change directed work and not included in scope for this bid. Please confirm.

Response

Confirmed

8. Will MTA Trunk Radios be provided for communication during testing?

Response

No

9. Test 1.0 Field Cable Test Procedure Section 6 item "a":

"Connect one of the megger clip leads to a ground buss or a ground rod known to be 5 ohms or less." Will MTA qualify the "known" ground buss or ground rod 5 ohms or less?

Response

Yes

MARYLAND TRANSIT ADMINISTRATION

MARYLAND DEPARTMENT OF TRANSPORTATION

Martin O'Malley, Governor • Anthony G. Brown, Lt. Governor

James T. Smith, Jr., Secretary • Robert L. Smith, Administrator

TO: All Planholders

FROM: Maryland Transit Administration

SUBJECT: **ADDENDUM NO. 1**
Contract No.: T-1321-0240
Metro Mandated Cable Testing

DATE: August 11, 2014

Enclosed and effective this date is Addendum No. 1 to the subject Contract. This change (does not) delay the Bid Opening Date of August 27, 2014.

A list of the changes made to this contract is attached to this Addendum. Also attached are answers to contractors' questions, if any.

The Bidder shall acknowledge receipt of this Addendum by completing and returning this form with the bid package.

All other terms and conditions remain unchanged.

Sincerely,

Joseph B Johnson
Joseph B Johnson, Procurement Officer
Construction Installation Services Section
Procurement Division

Acknowledgement of receipt of ADDENDUM # 1 to Solicitation #T-1321-0240

Vendor Name: _____

_____ _____

Authorized Representative's Signature Date

ADDENDUM NO.: 1
DATE: 8/11/14
CONTRACT NO.: T-1321-0240

The following additions, deletions, and modifications are hereby made a part of the Contract Documents of Metro Mandated Cable Testing, Contract No.: T-1321-0240.

Item No.	Page	Modification
I. CONTRACT SPECIFICATIONS		
1		
2		
3		
4		
II. CONTRACT DRAWINGS		
1	**Appendix A, B**	**Contract appendices have been added to the specifications.**

Also attached are the answers to contractors' questions, if any.

APPENDIX A

CABLE TEST PROCEDURES & TEST FORMS

TEST 1.0

FIELD CABLE TEST PROCEDURE

FOR TRACTION POWER & SIGNAL CABLES

State of Maryland
Department of Transportation
Mass Transit Administration

Baltimore Metro

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1.01 TEST OBJECTIVE

1. Field cable test are performed to verify that each cable is terminated according to approved drawings. This test ensures that each conductor is electrically isolated from all other conductors and ground. The resistance between conductors and from individual conductors to ground shall not be less than 500,000 ohms.

2. This test ensures continuity, tagging and proper termination of each cable conductor.

1.02 REFERENCES

1 FRA 236.108
This rule requires tests of insulation resistance of wires in trunking and cable be made when installed and at least once every ten years thereafter. Conductors having insulation resistance of less than 500,000 ohms shall be tested annually.
In no case shall a conductor with insulation resistance of less than 200,000 ohms be left in service.

1.03 TEST PREREQUISITES

1. MTA Maintenance system pretests complete.

2. Each cable to be tested has all test links open or wires removed from terminals.

1.04 TEST EQUIPMENT

1. Megger* or equivalent high voltage resistance tester with a resistance scale between 0 Ω and. 500,000 Ω as well as DC power supply rated voltages between 600VDC and 1000VDC.

2 Two-way communication equipment between both ends of cable under test.

3. Pre-Printed data sheets.

4. Test Jumpers, a battery and bell or other audio device.

*Note: Megger is a registered trademark of the James G. Biddle Company and is used herein merely to depict a particular type of instrument.

1.05 TEST METHOD AND PROCEDURE

1. **Test Personnel:**

   a) This procedure shall be conducted by at least two (2) test personnel consisting of a Lead Test Engineer and an assistant. The Lead Test Engineer shall be in charge of the testing, determine the cable testing pattern and shall make notations and fill out test forms as testing of each conductor is completed.

   b) The high voltage output of the test shall be grounded at all times when not in use and while test connections are being made/or removed

   c) Insolate all conductors from ground and adjacent conductors.

   d) MTA personnel should witness the cable testing and shall perform the system operational testing.

2 **Sequence of Testing**:

a) MTA personnel shall perform a system operational check on the cable to be tested prior to preparing cable for test

b) Test continuity of each conductor

c) Test insulation resistance of each conductor to ground.

d) Test insulation resistance between conductors.

e) Hi-pot testing (New Traction Power Cables Only)

f) MTA personnel shall perform a post system operational check on the cable under test after completion of testing and prior to placing cable back into revenue service.

3 **Before Each Test**:

a) Record temperature and humidity

b) Note any splices or visible damage to conductors or insulation

c) Record meter calibration information.

4 **Conductor Continuity Test:**

a) Connect the Megger between two conductors listed on the Data Sheet. Test personnel at the other end will touch the jumper between the same two conductors three times in succession. The indication of continuity verification will be recorded by placing a "√" on the Test Data Sheet.

b) Compare the resistance of the two conductors with that given in the Conductor Resistance Chart for the correct size and length conductor, noting that the conductor length will be twice the cable length to account for the combined length of the two conductors. Any Conductor for which the resistance reading is equal to or greater than two times the value than what is listed in the chart shall be reported to the MTA. The indication of resistance verification will be recorded by placing a "√" on the Test Data Sheet.

c) Once these conductors have been verified, one of the conductors becomes the common lead and all other conductors are tested for continuity and resistance using that conductor as a return.

d) Verify wire tag and termination post. Tag shall be readable.

e) Repeat above steps for all cables.

5 **Conductor to Conductor Resistance Test:**

a) Connect one test lead of the Megger to the first conductor listed on the pre-printed data sheet to be designated "under test" and the other test lead to the conductor listed on the pre-printed data sheet designated to be “tested to".

b) Apply Megger energy by activating the test switch. (See Manufacturer's Instructions for Operation) Generate 500 volts Dc for 600V cables or 1000 volts Dc for cables over 600V.

c) Record measured value of insulation resistance on the Test Data Sheet. If the resistance reading does not meet the specified test criteria, prompt action is required to remove from service, repair or replace defective wire or cable

d) Move test lead from the "tested to" conductor to the next "tested to" conductor and repeat steps b) and c) until all conductors are tested to the designated conductor "under test".

e) Move test lead from conductor "under test" to the next conductor designated to be "under test" and repeat steps b) and c) until all conductors are tested to every other conductor of the cable.

6. **Conductor to Ground Test**:

   a) Connect one of the Megger clip leads to a ground buss or a ground rod known to be 5 ohms or less resistance to earth ground.

   b) Connect the other Megger clip lead to the conductor under test as listed on the test data sheet.

   c) Apply Megger energy by activating the test switch. (See Manufacturer's Instructions for Operation). Generate 500 volts Dc for 600V cables or 1000 volts Dc for cables over 600V

   d) Record measured value of insulation resistance on the test data sheet.

   e) If resistance reading meets the specified test criteria, place a "√" in the Test Data Sheet. If resistance reading does not meet the specified test criteria, prompt action is required to remove from service, repair or replace defective wire or cable.

   f) Repeat above steps for all conductors of the cable under test.

7 **Hi-pot Test (New Traction Power Cables Only):**

   a) Prior to performing the Hi-pot test both the conductor to conductor and the conductor to ground test must first be successfully completed.

   b) Connect megger between two conductors listed on the data sheet.

   c) Slowly raise the high potential to 2K Volt. level and hold there for one minute.

   d) Record measure value of insulation resistance on test data sheet.

   e) With one megger clip remaining on conductor under test, repeat steps 6b above for all remaining conductors.

   f) Verify no momentary flash over to ground and/or any adjacent conductor and no excessive leakage current is observed during the Hi-pot test.

   g) Record measured value of leakage current on test data sheet

   h) Repeat steps 6a through 6g for all remaining conductors listed on data sheet.

   i) Perform both the conductor to conductor and the conductor to ground test to verify insulation damage has not occurred during Hi-pot testing.

1.06 PASS/FAIL CRITERIA

1. Test results shall be considered successful if all of the following are met.

   a) Continuity is recorded for each conductor or is noted as being spare, unused and accepted as an open conductor by the MTA.

   b) Conductor to conductor insulation resistance is equal to or greater than 500,000 ohms.

   c) Conductor to ground resistance is equal to or greater than 500,000 ohms.

   d) No momentary flash over to ground and/or any adjacent conductor and no excessive leakage current is observed during the Hi-pot test.

CONDUCTOR RESISTANCE CHART

		Conductor	Resistance	Chart	Solid Wire	25C
Conductor Size	Ohms @ 100 FT	Ohms @ 500 FT	Ohms @ 1000 FT	Ohms @ 1500 FT	Ohms @ 2000 FT	Ohms @ 3000 FT
16 AWG	0.426	2.13	4.26	6.39	8.52	12.78
14 AWG	0.268	1.34	2.68	4.02	5.36	8.04
10 AWG	0.106	0.53	1.06	1.59	2.12	3.18
9 AWG	0.0831	0.4155	0.831	1.2465	1.662	2.493
6 AWG	0.0415	0.2075	0.415	0.6225	0.83	1.245

1.07 DISCREPANCY ACTION

The Discrepancy Action Form shall be completed for each test. If a discrepancy is found, it will be documented, corrected, and retested or "accepted as tested" by the MTA.. If there are no discrepancies, the form will note "No Discrepancy".

CABLE TEST DATA SHEET

From Terminal	Circuit Nomenclature	To Terminal	Continuity	Megohms to Ground	LOCATION-
					DEVICE TYPE-
					CABLE ID-
					CONDUCTORS-
					CABLE LENGTH-
					FROM LOCATION-
					TO LOCATION-
					MTA PRE-CHECK-
					MTA POST CHECK-
					TEMPERATURE-
					HUMIDITY-

Conductor to Conductor

Wire												

Note: Record values in appropriate columns (√) to indicate compliance

Meter Type _____ Model # _____ Serial # _____ Contractor Representative _____

Calibration Date _____ Expiration Date _____ MTA Representative _____

Megger Test: Pass _____ Fail_____ Date Tested_____

Page ____ of____

HI-POT LEAKAGE CURRENT TEST DATA SHEET

Location: _____ Cable ID _____ Cable Type _____

MTA System Operation Pre Check _____ MTA System Operation Post Check _____

Wire													Continuity	Ground

Note: Record values in appropriated columns (√) to indicate compliance

Meter Type _____ Model # _____ Serial # _____ Contractor Representative _____

Calibration Date _____ Expiration Date _____ MTA Representative _____

Megger Test: Pass _____ Fail_____ Date Tested_____

Page ____ of ____

DISCREPANCY ACTION FORM

CUSTOMER:_____ TEST LOCATION: _____

LIST BELOW ALL DISCREPANCIES FOUND DURING THIS TEST. LIST CORRECTIVE ACTION FOR THE DISCREPANCY. IF FOLLOW-ON ACTION IS REQUIRED, STATE RESPONSIBILITY FOR CORRECTIVE ACTION.

ITEM NUMBER	DISCREPANCY/ACTION ITEM	STATUS	SIGNATURE

Contractor Representative: _____ Date: _____

MTA Representative: _____ Date:_____

APPENDIX B

CABLE TABULATION MATRIX

Traction Power & Signal Cable Matrix

Northwest Yard

From Location	To Location	Cable Type	Function
Yard TCR	Yard TC&C	37C #14	Express cable
Yard TCR	Yard TC&C	37C #14	Express cable
Yard TCR	Yard TC&C	37C #14	Express cable
Yard TCR	Yard TC&C	37C #14	Express cable
Yard TCR	Yard TC&C	37C #14	Express cable
Yard TCR	Reisterstown Plaza TC&C	37C #14	Express cable
Yard TCR	Roger TC&C	37C #14	Express cable
Yard TCR	Track Rail	2C # 9	101TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	101TR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	103TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	103TR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	105TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	105TR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	107TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	107TR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	109ATT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	109ATR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	109BTT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	109BTR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	111TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	111TR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	115TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	115TR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	117TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	119TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	123TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	123TR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	129TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	131TT PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	137TR PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	3YT/R PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	4YT/R PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	5YT/R PF Track Circuit Cable
Yard TCR	Track Rail	2C # 9	6YT/R PF Track Circuit Cable
Yard TCR	Case H3	2C # 9	8YT/R PF Track Circuit Cable
Yard TCR	Case H4	2C # 9	9YT/R PF Track Circuit Cable
Yard TCR	Case H4	2C # 9	10YT/R PF Track Circuit Cable
Yard TCR	Case H1	27C #14	Express cable
Yard TCR	Case H1	8C #6	Power Express cable
Yard TCR	Case H2	27C #14	Express cable
Yard TCR	Case H2	4C #9	Power Express cable

Northwest Yard

From Location	To Location	Cable Type	Function
Yard TCR	Case H3	27C #14	Express cable
Yard TCR	Case H3	27C #14	Express cable
Yard TCR	Case H3	4C #4	Power Express cable
Yard TCR	Case H3	2C #9	121TT PF Track Circuit Cable
Yard TCR	Case H3	2C #9	117TR PF Track Circuit Cable
Yard TCR	Case H3	2C #9	7YT PF Track Circuit Cable
Yard TCR	Case H3	2C #9	8YT PF Track Circuit Cable
Yard TCR	Case H3	2C #9	119TR PF Track Circuit Cable
Yard TCR	Case H3	2C #9	7YT/R PF Track Circuit Cable
Yard TCR	Case H4	37C #14	Express cable
Yard TCR	Case H4	4C #4	Power Express cable
Yard TCR	Case H4	2C #9	121TR PF Track Circuit Cable
Yard TCR	Case H6	27C #14	Express cable
Yard TCR	Case H6	4C #4	Power Express cable
Yard TCR	Case H7	37C #14	Express cable
Yard TCR	Case H7	12C #14	Express cable
Yard TCR	Case H7	4C #4	Power Express cable
Yard TCR	Case H8	27C #14	Express cable
Yard TCR	Case H8	8C #6	Power Express cable
Yard TCR	Case H9	31C #14	Express cable
Yard TCR	Case H9	12C #14	Express cable
Yard TCR	Case H9	4C #4	Power Express cable
Yard TCR	Case H9	2C #9	159ATT PF Track Circuit Cable
Yard TCR	Case H9	2C #9	159ATR PF Track Circuit Cable
Yard TCR	Case H9	2C #9	159BTR PF Track Circuit Cable
Yard TCR	Case H9	2C #9	16YT/R PF Track Circuit Cable
Yard TCR	Case H17	27C #14	Express cable
Yard TCR	Case H17	8C #6	Power Express cable
Yard TCR	Case H18	27C #14	Express cable
Yard TCR	Case H18	8C #6	Power Express cable
Yard TCR	Case H18	2C #9	1AYTR PF Track Circuit Cable
Yard TCR	Case H18	2C #9	2AYTR PF Track Circuit Cable
Yard TCR	Case H18	2C #9	129TR PF Track Circuit Cable
Yard TCR	Case H18	2C #9	131TR PF Track Circuit Cable
Yard TCR	132/134 Trip Junction Box	19C #14	Trips 132 & 134 Control Cable
Yard TCR	Snow Melter Case Y1	6C #14	Snow Melter Control Cable
Yard TCR	Snow Melter Case Y2	6C #14	Snow Melter Control Cable
Yard TCR	Snow Melter Case Y3	6C #14	Snow Melter Control Cable
Yard TCR	Snow Melter Case Y4	6C #14	Snow Melter Control Cable
Yard TCR	Snow Melter Case Y5	6C #14	Snow Melter Control Cable
Yard TCR	Snow Melter Case Y6	6C #14	Snow Melter Control Cable

Northwest Yard

From Location	To Location	Cable Type	Function
PIT TCR	Case H10	27C #14	Express cable
PIT TCR	Case H10	12C #14	Express cable
PIT TCR	Case H10	4C #4	Power Express cable
PIT TCR	Case H10	2C #9	145TR PF Track Circuit Cable
PIT TCR	Case H11	31C #14	Express cable
PIT TCR	Case H11	12C #14	Express cable
PIT TCR	Case H11	4C #4	Power Express cable
PIT TCR	Case H11	2C #9	137TR PF Track Circuit Cable
PIT TCR	Case H11	2C #9	153TT PF Track Circuit Cable
PIT TCR	Case H11	2C #9	153TR PF Track Circuit Cable
PIT TCR	Case H11	2C #9	159BTT PF Track Circuit Cable
PIT TCR	Case H11	2C #9	161TR PF Track Circuit Cable
PIT TCR	Case H11	2C #9	BPTR PF Track Circuit Cable
PIT TCR	Case H12	31C #14	Express cable
PIT TCR	Case H12	12C #14	Express cable
PIT TCR	Case H12	4C #4	Power Express cable
PIT TCR	Case H12	8C #6	Power Express cable
PIT TCR	Case H12	2C #9	1AYTT PF Track Circuit Cable
PIT TCR	Case H12	2C #9	2AYTT PF Track Circuit Cable
PIT TCR	Case H12	2C #9	133TT PF Track Circuit Cable
PIT TCR	Case H12	2C #9	135TT PF Track Circuit Cable
PIT TCR	Case H12	2C #9	137TT PF Track Circuit Cable
PIT TCR	Case H13	31C #14	Express cable
PIT TCR	Case H13	12C #14	Express cable
PIT TCR	Case H13	4C #4	Power Express cable
PIT TCR	Case H13	8C #6	Power Express cable
PIT TCR	Case H13	2C #9	133TR PF Track Circuit Cable
PIT TCR	Case H13	2C #9	135TR PF Track Circuit Cable
PIT TCR	Case H13	2C #9	145TT PF Track Circuit Cable
PIT TCR	Case H13	2C #9	161TT PF Track Circuit Cable
PIT TCR	Case H13	2C #9	163TT PF Track Circuit Cable
PIT TCR	Case H13	2C #9	171BTT PF Track Circuit Cable
PIT TCR	Case H14	31C #14	Express cable
PIT TCR	Case H14	12C #14	Express cable
PIT TCR	Case H14	4C #4	Power Express cable
PIT TCR	Case H14	5C #6	Power Express cable
PIT TCR	Case H14	2C #9	BPTT PF Track Circuit Cable
PIT TCR	Case H15	31C #14	Express cable
PIT TCR	Case H15	4C #4	Power Express cable
PIT TCR	Case H15	2C #9	163TR PF Track Circuit Cable
PIT TCR	Case H15	2C #9	167ATT PF Track Circuit Cable

Northwest Yard

From Location	To Location	Cable Type	Function
PIT TCR	Case H15	2C #9	167BTT PF Track Circuit Cable
PIT TCR	Case H15	2C #9	171BTT PF Track Circuit Cable
PIT TCR	Case H16	27C #14	Express cable
PIT TCR	Case H16	27C #14	Express cable
PIT TCR	Case H16	4C #4	Power Express cable
PIT TCR	Case H16	5C #6	Power Express cable
PIT TCR	Case H16	2C #9	167BTR PF Track Circuit Cable
PIT TCR	Case H16	2C #9	167ATR PF Track Circuit Cable
PIT TCR	Case H16	2C #9	169TR PF Track Circuit Cable
PIT TCR	Case H16	2C #9	169TT PF Track Circuit Cable
PIT TCR	Case H16	2C #9	194T PF Track Circuit Cable
PIT TCR	Snow Melter Case Y7	6C #14	Snow Melter Control Cable
PIT TCR	Snow Melter Case Y8	6C #14	Snow Melter Control Cable
PIT TCR	Snow Melter Case Y9	6C #14	Snow Melter Control Cable
PIT TCR	Snow Melter Case Y10	6C #14	Snow Melter Control Cable
PIT TCR	Snow Melter Case Y11	6C #14	Snow Melter Control Cable
PIT TCR	Snow Melter Case Y12	6C #14	Snow Melter Control Cable
PIT TCR	Snow Melter Case Y13	6C #14	Snow Melter Control Cable
PIT TCR	Snow Melter Case Y14	6C #14	Snow Melter Control Cable
Case H1	Signal 120 Junction Box	5C #14	Signal Lighting Cable
Case H1	Signal 122 Junction Box	5C #14	Signal Lighting Cable
Case H1	Signal 124 Junction Box	5C #14	Signal Lighting Cable
Case H1	Signal 126 Junction Box	5C #14	Signal Lighting Cable
Case H1	Switch 109B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H2	Signal 104 Junction Box	5C #14	Signal Lighting Cable
Case H2	Signal 130 Junction Box	5C #14	Signal Lighting Cable
Case H2	Switch 125A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H2	Switch 127B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H2	Case 5A	5C #14	Switch Control & Indication Cable
Case H3	Signal 106 Junction Box	5C #14	Signal Lighting Cable
Case H3	Signal 108 Junction Box	5C #14	Signal Lighting Cable
Case H3	Signal 110 Junction Box	5C #14	Signal Lighting Cable
Case H3	Signal 112 Junction Box	5C #14	Signal Lighting Cable
Case H3	Signal 114 Junction Box	5C #14	Signal Lighting Cable
Case H3	Switch 107 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H3	Switch 119 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H3	Switch 121 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H3	Track Rail	2C # 9	7YT/R PF Track Circuit Cable
Case H3	Track Rail	2C # 9	8YT/R PF Track Circuit Cable
Case H3	Track Rail	2C # 9	117TR PF Track Circuit Cable
Case H3	Track Rail	2C # 9	119TR PF Track Circuit Cable

Northwest Yard

From Location	To Location	Cable Type	Function
Case H3	Track Rail	2C #9	121TT PF Track Circuit Cable
Case H4	Signal 116 Junction Box	5C #14	Signal Lighting Cable
Case H4	Signal 118 Junction Box	5C #14	Signal Lighting Cable
Case H4	Signal 128 Junction Box	5C #14	Signal Lighting Cable
Case H4	Switch 109A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H4	Switch 123 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H4	Signal 118 Junction Box	2C #9	121TR PF Track Circuit Cable
Signal 118 Junction Box	Track Rail	2C #9	121TR PF Track Circuit Cable
Case H4	Yard TCR	2C #9	9YT/R PF Track Circuit Cable
Case H4	Yard TCR	2C #9	10YT/R PF Track Circuit Cable
Case H4	Track Rail	2C #9	9YT/R PF Track Circuit Cable
Case H4	Signal 118 Junction Box	2C #9	10YT/R PF Track Circuit Cable
Signal 118 Junction Box	Track Rail	2C #9	10YT/R PF Track Circuit Cable
Case H6	Signal 100 Junction Box	5C #14	Signal Lighting Cable
Case H6	Switch 101 Junction Box	14C Composite (3C #9, 12C # 14)	Switch Control & Indication Cable
Case H6	Switch 103 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H6	Switch 113 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H7	Signal 102 Junction Box	5C #14	Signal Lighting Cable
Case H7	Switch 105 Junction Box	15C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H7	Switch 111 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H7	Switch 115 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H7	Switch 117 Junction Box	15C Composite (3C #9, 12C # 14)	Switch Control & Indication Cable
Case H8	Signal 136 Junction Box	5C #14	Signal Lighting Cable
Case H8	Signal 138 Junction Box	5C #14	Signal Lighting Cable
Case H8	Switch 129A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H8	Switch 131B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H9	Signal 172 Junction Box	5C #14	Signal Lighting Cable
Case H9	Signal 174 Junction Box	5C #14	Signal Lighting Cable
Case H9	Signal 176 Junction Box	5C #14	Signal Lighting Cable
Case H9	Signal 198 Junction Box	5C #14	Signal Lighting Cable
Case H9	Switch 159A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H9	Switch 159B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H9	Track Rail	2C #9	159ATR PF Track Circuit Cable
Case H9	Track Rail	2C #9	159ATT PF Track Circuit Cable
Case H9	Track Rail	2C #9	159BTR PF Track Circuit Cable
Case H9	Track Rail	2C #9	16YT/R PF Track Circuit Cable
Case H10	Signal 164 Junction Box	5C #14	Signal Lighting Cable
Case H10	Signal 166 Junction Box	5C #14	Signal Lighting Cable
Case H10	Switch 155 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H10	Switch 157 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H10	Track Rail	2C #9	145TR PF Track Circuit Cable

Northwest Yard

From Location	To Location	Cable Type	Function
Case H11	Signal 162 Junction Box	5C #14	Signal Lighting Cable
Case H11	Signal 178 Junction Box	5C #14	Signal Lighting Cable
Case H11	Signal 180 Junction Box	5C #14	Signal Lighting Cable
Case H11	Signal 182 Junction Box	5C #14	Signal Lighting Cable
Case H11	Signal 186 Junction Box	5C #14	Signal Lighting Cable
Case H11	Switch 145 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H11	Switch 151 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H11	Switch 153 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H11	Track Rail	2C #9	137TR PF Track Circuit Cable
Case H11	Track Rail	2C #9	153TT PF Track Circuit Cable
Case H11	Track Rail	2C #9	153TR PF Track Circuit Cable
Case H11	Track Rail	2C #9	159BTT PF Track Circuit Cable
Case H11	Track Rail	2C #9	161TR PF Track Circuit Cable
Case H11	Track Rail	2C #9	BPTR PF Track Circuit Cable
Case H12	Signal 144 Junction Box	5C #14	Signal Lighting Cable
Case H12	Signal 146 Junction Box	5C #14	Signal Lighting Cable
Case H12	Signal 158 Junction Box	5C #14	Signal Lighting Cable
Case H12	Signal 160 Junction Box	5C #14	Signal Lighting Cable
Case H12	Switch 133A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H12	Switch 135B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H12	Switch 143 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H12	Track Rail	2C #9	1AYTT PF Track Circuit Cable
Case H12	Track Rail	2C #9	2AYTT PF Track Circuit Cable
Case H12	Track Rail	2C #9	133TT PF Track Circuit Cable
Case H12	Track Rail	2C #9	135TT PF Track Circuit Cable
Case H12	Track Rail	2C #9	137TT PF Track Circuit Cable
Case H13	Signal 148 Junction Box	5C #14	Signal Lighting Cable
Case H13	Signal 150 Junction Box	5C #14	Signal Lighting Cable
Case H13	Signal 156 Junction Box	5C #14	Signal Lighting Cable
Case H13	Switch 133B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H13	Switch 135A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H13	Switch 141 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H13	Track Rail	2C #9	133TR PF Track Circuit Cable
Case H13	Track Rail	2C #9	135TR PF Track Circuit Cable
Case H13	Track Rail	2C #9	145TT PF Track Circuit Cable
Case H13	Track Rail	2C #9	161TT PF Track Circuit Cable
Case H13	Track Rail	2C #9	163TT PF Track Circuit Cable
Case H13	Track Rail	2C #9	171BTT PF Track Circuit Cable
Case H14	Signal 152 Junction Box	5C #14	Signal Lighting Cable
Case H14	Signal 184 Junction Box	5C #14	Signal Lighting Cable
Case H14	Switch 137 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable

Northwest Yard

From Location	To Location	Cable Type	Function
Case H14	Switch 139 Junction Box	15C Composite (3C #9, 12C # 14)	Switch Control & Indication Cable
Case H14	Switch 163 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H14	Switch 171B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H14	Track Rail	2C #9	BPTT PF Track Circuit Cable
Case H15	Signal 188 Junction Box	5C #14	Signal Lighting Cable
Case H15	Switch 161 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H15	Switch 165 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H15	Switch 167B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H15	Track Rail	2C #9	163TR PF Track Circuit Cable
Case H15	Track Rail	2C #9	167ATR PF Track Circuit Cable
Case H15	Track Rail	2C #9	167BTT PF Track Circuit Cable
Case H15	Track Rail	2C #9	171BTR PF Track Circuit Cable
Case H16	Signal 154 Junction Box	5C #14	Signal Lighting Cable
Case H16	Signal 190 Junction Box	5C #14	Signal Lighting Cable
Case H16	Signal 192 Junction Box	5C #14	Signal Lighting Cable
Case H16	Signal 194 Junction Box	5C #14	Signal Lighting Cable
Case H16	Signal 196 Junction Box	5C #14	Signal Lighting Cable
Case H16	Signal BP 312 Junction Box	5C #14	Signal Lighting Cable
Case H16	Switch 167A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H16	Switch 169 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H16	Switch 171A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H16	Track Rail	2C #9	167ATT PF Track Circuit Cable
Case H16	Track Rail	2C #9	167BTR PF Track Circuit Cable
Case H16	Track Rail	2C #9	169TR PF Track Circuit Cable
Case H16	Track Rail	2C #9	169TT PF Track Circuit Cable
Case H16	Track Rail	2C #9	194T/R PF Track Circuit Cable
Case H17	Signal 132 Junction Box	5C #14	Signal Lighting Cable
Case H17	Signal 134 Junction Box	5C #14	Signal Lighting Cable
Case H17	Switch 125B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H17	Switch 127A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H18	Signal 140 Junction Box	5C #14	Signal Lighting Cable
Case H18	Signal 142 Junction Box	5C #14	Signal Lighting Cable
Case H18	Switch 129B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H18	Switch 131A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Case H18	Track Rail	2C #9	1AYTR PF Track Circuit Cable
Case H18	Track Rail	2C #9	2AYTR PF Track Circuit Cable
Case H18	Track Rail	2C #9	129TR PF Track Circuit Cable
Case H18	Track Rail	2C #9	131TR PF Track Circuit Cable

Reisterstown Plaza

From Location	To Location	Cable Type	Function
Reisterstown Plaza TCR	TK 2 Minibond @ 358 + 00	2C #14	2-352T/358R
Reisterstown Plaza TCR	TK 2 Minibond @ 364 + 00	2C #14	2-358T/364R
Reisterstown Plaza TCR	TK 2 Minibond @ 366 + 50	2C #14	2-364T/367R
Reisterstown Plaza TCR	TK 2 Minibond @ 370 + 00	2C #14	2-367T/370R
Reisterstown Plaza TCR	TK 2 Minibond @ 373 + 93	2C #14	2-370T
Reisterstown Plaza TCR	TK 2 Minibond @ 373 + 93	2C #14	2-375R
Reisterstown Plaza TCR	TK 2 Minibond @ 375 + 49	2C #14	2-375T
Reisterstown Plaza TCR	TK 2 Minibond @ 375 + 49	2C #14	2-376R
Reisterstown Plaza TCR	TK 2 Minibond @ 377 + 10	2C #14	2-376T
Reisterstown Plaza TCR	TK 2 Minibond @ 377 + 10	2C #14	2-377R
Reisterstown Plaza TCR	TK 2 Minibond @ 376 + 46	2C #14	17XTL
Reisterstown Plaza TCR	TK 2 Minibond @ 381 + 66	2C #14	2-377T
Reisterstown Plaza TCR	TK 2 Minibond @ 381 + 66	2C #14	2-382R
Reisterstown Plaza TCR	TK 2 Minibond @ 385 + 90	2C #14	2-382T/386R
Reisterstown Plaza TCR	TK 2 Minibond @ 389 + 42	2C #14	2-386T
Reisterstown Plaza TCR	TK 2 Minibond @ 389 + 42	2C #14	2-389T
Reisterstown Plaza TCR	TK 2 Minibond @ 389 + 50	2C #14	1XTL
Reisterstown Plaza TCR	TK 2 Minibond @ 390 + 36	2C #14	2-389R/390R
Reisterstown Plaza TCR	TK 2 Minibond @ 391 + 32	2C #14	2-390T
Reisterstown Plaza TCR	TK 2 Minibond @ 391 + 32	2C #14	2-391R
Reisterstown Plaza TCR	TK 2 Minibond @ 398 + 10	2C #14	2-391T/398R
Reisterstown Plaza TCR	TK 1 Minibond @ 356 + 00	2C #14	1-356R/362T
Reisterstown Plaza TCR	TK 1 Minibond @ 361 + 57	2C #14	1-362R/367T
Reisterstown Plaza TCR	TK 1 Minibond @ 366 + 66	2C #14	1-367R/374T
Reisterstown Plaza TCR	TK 1 Minibond @ 373 + 83	2C #14	1-374R
Reisterstown Plaza TCR	TK 1 Minibond @ 373 + 83	2C #14	1-375T
Reisterstown Plaza TCR	TK 1 Minibond @ 374 + 67	2C #14	1-375R/376R
Reisterstown Plaza TCR	TK 1 Minibond @ 375 + 42	2C #14	21XTL
Reisterstown Plaza TCR	TK 1 Minibond @ 375 + 50	2C #14	1-376T
Reisterstown Plaza TCR	TK 1 Minibond @ 375 + 50	2C #14	1-377T
Reisterstown Plaza TCR	TK 1 Minibond @ 376 + 46	2C #14	19XTL
Reisterstown Plaza TCR	TK 1 Minibond @ 377 + 10	2C #14	1-377R
Reisterstown Plaza TCR	TK 1 Minibond @ 377 + 10	2C #14	1-382T
Reisterstown Plaza TCR	TK 1 Minibond @ 381 + 75	2C #14	1-382R
Reisterstown Plaza TCR	TK 1 Minibond @ 381 + 75	2C #14	1-385T
Reisterstown Plaza TCR	TK 1 Minibond @ 385 + 00	2C #14	1-385R/389T
Reisterstown Plaza TCR	TK 1 Minibond @ 389 + 42	2C #14	1-389R
Reisterstown Plaza TCR	TK 1 Minibond @ 389 + 42	2C #14	1-390T
Reisterstown Plaza TCR	TK 1 Minibond @ 390 + 36	2C #14	1-390R/391R
Reisterstown Plaza TCR	TK 1 Minibond @ 391 + 32	2C #14	1-391T
Reisterstown Plaza TCR	TK 1 Minibond @ 391 + 32	2C #14	1-398T

Reisterstown Plaza

From Location	To Location	Cable Type	Function
Reisterstown Plaza TCR	TK 1 Minibond @ 398 + 10	2C #14	1-398R/402T
Reisterstown Plaza TCR	TK 15 Minibond @ 365 + 25	2C #14	15-2T
Reisterstown Plaza TCR	TK 15 Minibond @ 368 + 86	2C #14	15-2R
Reisterstown Plaza TCR	TK 15 Minibond @ 368 + 86	2C #14	15-1T
Reisterstown Plaza TCR	TK 15 Minibond @ 373 + 14	2C #14	15-1R
Reisterstown Plaza TCR	TK 15 Minibond @ 373 + 14	2C #14	30T
Reisterstown Plaza TCR	TK 15 Minibond @ 374 + 14	2C #14	30R
Reisterstown Plaza TCR	Minibond By Sig. NW194	2C #14	1-1T
Reisterstown Plaza TCR	Minibond Between Sig. NW194 & RP34	2C #14	1-1R
Reisterstown Plaza TCR	Minibond Between Sig. NW194 & RP34	2C #14	34T
Reisterstown Plaza TCR	Minibond By Sig. RP34	2C #14	34R
Reisterstown Plaza TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Reisterstown Plaza TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Reisterstown Plaza TCR	TK 2 Sta. Stop JB @ 365+40	2C # 16	Approach Station Program Coil
Reisterstown Plaza TCR	TK 1 Sta. Stop JB @ 388+75	2C # 16	Approach Station Program Coil
Reisterstown Plaza TCR	Snow Melter Case 11	7C #14	Snow Melter Control Cable
Reisterstown Plaza TCR	Snow Melter Case 12	7C #14	Snow Melter Control Cable
Snow Melter Case 11	Snow Melter Case 10	7C #14	Snow Melter Control Cable
Snow Melter Case 12	Snow Melter Case 13	7C #14	Snow Melter Control Cable
Reisterstown Plaza TCR	Track Rail	2C #9	21XTT PF Track Circuit Cable
Reisterstown Plaza TCR	Track Rail	2C #9	21XTR PF Track Circuit Cable
Reisterstown Plaza TCR	Track Rail	2C #9	19ATT PF Track Circuit Cable
Reisterstown Plaza TCR	Track Rail	2C #9	19ATR PF Track Circuit Cable
Reisterstown Plaza TCR	Track Rail	2C #9	1-3XTT PF Track Circuit Cable
Reisterstown Plaza TCR	Track Rail	2C #9	1-3XTR PF Track Circuit Cable
Reisterstown Plaza TCR	Terminal Case 1A	8C #14	Express Cable
Reisterstown Plaza TCR	Terminal Case 1A	9C #14	Express Cable
Reisterstown Plaza TCR	Terminal Case 1A	10C #14	Express Cable
Terminal Case 1A	Terminal Case 3A	27C #14	Express Cable
Terminal Case 1A	Terminal Case 1B	14C Composite (3C #9, 11C # 14)	Express Cable
Terminal Case 1A	Signal 2 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 1A	Signal 2 PB Junction Box	7C #14	Cables in case. No Sig. 2 PB
Terminal Case 1A	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Reisterstown Plaza TCR	Terminal Case 17	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case 17	Switch 17 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case 1B	Terminal Case 3B	27C #14	Express Cable
Terminal Case 1B	Signal 6 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 1B	Signal 102 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 1B	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case 1B	Signal 6 PB Junction Box	7C #14	Cables in case. No Sig. 6 PB JB
Terminal Case 1B	TK 1 Trip Stop Junction Box	9C #14	Cables in case. No Trip Stop JB

Reisterstown Plaza

From Location	To Location	Cable Type	Function
Terminal Case 3A	Signal 8 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 3A	Signal 100 Junction Box	5C #14	Bumper Post Signal Lighting Cable
Terminal Case 3A	Signal BRR PB Junction Box	7C #14	Cables in case. No Sig. BRR PB JB
Terminal Case 3A	Switch 3A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case 3A	TK 2 Trip Stop Junction Box	9C #14	Cables in case. No Trip Stop JB
Reisterstown Plaza TCR	Terminal Case 3B	8C #14	Express Cable
Reisterstown Plaza TCR	Terminal Case 3B	9C #14	Express Cable
Reisterstown Plaza TCR	Terminal Case 3B	10C #14	Express Cable
Terminal Case 3B	Terminal Case 3A	14C Composite (3C #9, 11C # 14)	Express Cable For Switch 3A
Terminal Case 3B	Signal 4 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 3B	Switch 3B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Reisterstown Plaza TCR	Terminal Case 19A	9C #14	Express Cable
Reisterstown Plaza TCR	Terminal Case 19A	10C #14	Express Cable
Terminal Case 19A	Signal 28 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 19A	Signal 30 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 19A	Signal 30 Trip Stop JB	9C #14	Trip Control Cable
Terminal Case 19A	Switch 19A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Signal 30 Trip Stop JB	To Trip Stop	5C #14	Trip Control Cable
Reisterstown Plaza TCR	Terminal Case 19B	9C #14	Express Cable
Reisterstown Plaza TCR	Terminal Case 19B	8C #9	Express Cable
Terminal Case 19B	Terminal Case 19A	14C Composite (3C #9, 11C # 14)	Express Cable For Switch 19A
Terminal Case 19B	Switch 19B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Reisterstown Plaza TCR	Terminal Case 21	9C #14	Express Cable
Reisterstown Plaza TCR	Terminal Case 21	10C #14	Express Cable
Reisterstown Plaza TCR	Terminal Case 21	14C Composite (3C #9, 11C # 14)	Express Cable
Terminal Case 21	Signal 32 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 21	Signal 34 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 21	Signal 34 Trip Stop JB	9C #14	Trip Control Cable
Signal 34 Trip Stop JB	To Trip Stop	5C #14	Trip Control Cable

Rogers Avenue

From Location	To Location	Cable Type	Function
Rogers Avenue TCR	Reisterstown plaza TCR	31C # 14	Express Cable
Rogers Avenue TCR	West Cold Spring TCR	31C # 14	Express Cable
Rogers Avenue TCR	Snow Melter Case 5	7C # 14	Snow Melter Control Cable
Snow Melter Case 5	Snow Melter Case 6	7C # 14	Snow Melter Control Cable
Snow Melter Case 6	Snow Melter Case 7	7C # 14	Snow Melter Control Cable
Snow Melter Case 7	Snow Melter Case 8	7C # 14	Snow Melter Control Cable
Snow Melter Case 8	Snow Melter Case 9	7C # 14	Snow Melter Control Cable
Rogers Avenue TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Rogers Avenue TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Rogers Avenue TCR	TK 2 Sta. Stop JB @ 320+86	2C # 16	Approach Station Program Coil
Rogers Avenue TCR	TK 1 Sta. Stop JB @ 348+80	2C # 16	Approach Station Program Coil
Rogers Avenue TCR	Terminal Case 1A	8C #9	Express Cable
Rogers Avenue TCR	Terminal Case 1A	9C #14	Express Cable
Rogers Avenue TCR	Terminal Case 1A	10C #14	Express Cable
Terminal Case 1A	Terminal Case 3A	5C #14	Express Cable For Signal 8
Terminal Case 1A	Signal 2 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 1A	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case 1A	Terminal Case 1B	14C Composite (3C #9, 11C # 14)	Express Cable For Switch 1B
Terminal Case 1B	Signal 6 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 1B	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case 3A	Terminal Case 3B	14C Composite (3C #9, 11C # 14)	Express Cable For Switch 3A
Terminal Case 3A	Signal 8 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 3A	Switch 3A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Rogers Avenue TCR	Terminal Case 3B	8C #9	Express Cable
Rogers Avenue TCR	Terminal Case 3B	9C #14	Express Cable
Rogers Avenue TCR	Terminal Case 3B	10C #14	Express Cable
Terminal Case 3B	Signal 4 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 3B	Switch 3B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Rogers Avenue TCR	Terminal Case 5A	8C #9	Express Cable
Rogers Avenue TCR	Terminal Case 5A	9C #14	Express Cable
Rogers Avenue TCR	Terminal Case 5A	10C #14	Express Cable
Terminal Case 5A	Signal 10 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 5A	Switch 5A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case 5A	Terminal Case 5B	14C Composite (3C #9, 11C # 14)	No Longer In Use
Terminal Case 7A	Signal 18 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 7A	Signal 20 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 7A	Switch 7A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Rogers Avenue TCR	Terminal Case 7B	8C #6	Express Cable
Rogers Avenue TCR	Terminal Case 7B	9C #14	Express Cable
Rogers Avenue TCR	Terminal Case 7B	10C #14	Express Cable
Terminal Case 7B	Terminal Case 7A	14C Composite (3C #9, 11C # 14)	Express Cable For Switch 7A

Rogers Avenue

From Location	To Location	Cable Type	Function
Terminal Case 7B	Terminal Case 7A	12C #14	Express Cable For Signal 18 & 20
Terminal Case 7B	Switch 7B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Rogers Avenue TCR	Terminal Case 9A	8C #6	Express Cable
Rogers Avenue TCR	Terminal Case 9A	9C #14	Express Cable
Rogers Avenue TCR	Terminal Case 9A	10C #14	Express Cable
Terminal Case 9A	Terminal Case 9B	14C Composite (3C #9, 11C # 14)	Express Cable For Switch 9B
Terminal Case 9A	Terminal Case 9B	5C # 14	Express Cable For Signal 16
Terminal Case 9A	Signal 14 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 9A	BP Signal 100 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 9A	Switch 9A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case 9B	Signal 16 Junction Box	5C #14	Signal Lighting Cable
Terminal Case 9B	Switch 9B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Rogers Avenue TCR	Track Rail	2C #6	5BTR PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #6	5BTT PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #9	125-7XTT PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #9	125-7XTR PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #9	1-3XTT PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #9	1-3XTR PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #6	7-9XTR PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #6	7-9XTT PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #6	7XTR PF Track Circuit Cable
Rogers Avenue TCR	Track Rail	2C #6	9XTT PF Track Circuit Cable
Rogers Avenue TCR	TK 1 Minibond @ 298 + 25	2C #14	1-298R/302T
Rogers Avenue TCR	TK 1 Minibond @ 301 + 50	2C #14	1-302R/308T
Rogers Avenue TCR	TK 1 Minibond @ 308 + 05	2C #14	1-308R/315T
Rogers Avenue TCR	TK 1 Minibond @ 315 + 00	2C #14	1-315R/322T
Rogers Avenue TCR	TK 1 Minibond @ 321 + 50	2C #14	1-322R/328T
Rogers Avenue TCR	TK 1 Minibond @ 328 + 10	2C #14	1-328R/333T
Rogers Avenue TCR	TK 1 Minibond @ 322 + 54	2C #14	1-333R
Rogers Avenue TCR	TK 1 Minibond @ 322 + 54	2C #14	1-335T
Rogers Avenue TCR	TK 1 Minibond @ 334 + 75	2C #14	1-335R/337T
Rogers Avenue TCR	TK 1 Minibond @ 337 + 16	2C #14	1-337R
Rogers Avenue TCR	TK 1 Minibond @ 337 + 16	2C #14	1-340T
Rogers Avenue TCR	TK 1 Minibond @ 340 + 33	2C #14	1-340R/341T
Rogers Avenue TCR	TK 1 Minibond @ 341 + 24	2C #14	1-341R
Rogers Avenue TCR	TK 1 Minibond @ 341 + 24	2C #14	1-343T
Rogers Avenue TCR	TK 1 Minibond @ 341 + 32	2C #14	3XL
Rogers Avenue TCR	TK 1 Minibond @ 342 + 74	2C #14	1-344R/343R
Rogers Avenue TCR	TK 1 Minibond @ 344 + 25	2C #14	1-344T
Rogers Avenue TCR	TK 1 Minibond @ 344 + 25	2C #14	1-345T
Rogers Avenue TCR	TK 1 Minibond @ 345 + 43	2C #14	1-345R

Rogers Avenue

From Location	To Location	Cable Type	Function
Rogers Avenue TCR	TK 1 Minibond @ 346 + 36	2C #14	5BXL
Rogers Avenue TCR	TK 1 Minibond @ 345 + 43	2C #14	1-348T
Rogers Avenue TCR	TK 1 Minibond @ 348 + 03	2C #14	1-348R
Rogers Avenue TCR	TK 1 Minibond @ 348 + 03	2C #14	1-349T
Rogers Avenue TCR	TK 1 Minibond @ 349 +20	2C #14	1-349R
Rogers Avenue TCR	TK 1 Minibond @ 349 + 20	2C #14	1-356T
Rogers Avenue TCR	TK 1 Minibond BY SW. 5A	2C #14	1-3T
Rogers Avenue TCR	Minibond By Sig NW 130	2C #14	1-3R
Rogers Avenue TCR	Minibond By SW.125A	2C #14	125XL
Rogers Avenue TCR	Minibond By SW.125A	2C #14	1-4T
Rogers Avenue TCR	NWYL Minibond 349 + 00	2C #14	1-4R/1-5T
Rogers Avenue TCR	Minibond By Sig NW 132	2C #14	1-5R
Rogers Avenue TCR	Minibond By Sig NW 132	2C #14	1-6T
Rogers Avenue TCR	NWYL Minibond	2C #14	1-6R
Rogers Avenue TCR	NWYL Minibond	2C #14	2-6T
Rogers Avenue TCR	Minibond By Sig NW 134	2C #14	2-6R
Rogers Avenue TCR	Minibond By Sig NW 134	2C #14	2-5T
Rogers Avenue TCR	NWYL Minibond	2C #14	2-4T/2-5R
Rogers Avenue TCR	Minibond By SW.127B	2C #14	2-4R
Rogers Avenue TCR	TK 1 Minibond @ 347 + 05	2C #14	7XL
Rogers Avenue TCR	TK 15 Minibond By Sig. 100	2C #14	7AT
Rogers Avenue TCR	TK 15 Minibond By Sig. 18	2C #14	7AR
Rogers Avenue TCR	TK 15 Minibond By Sig. 18	2C #14	15-5T
Rogers Avenue TCR	TK 15 Minibond @ 357 + 08	2C #14	15-5R/15-3T
Rogers Avenue TCR	TK 15 Minibond By Sig. 152	2C #14	15-3R
Rogers Avenue TCR	TK 2 Minibond @ 307 + 80	2C #14	2-302T/308R
Rogers Avenue TCR	TK 2 Minibond @ 310 + 00	2C #14	2-308T/310R
Rogers Avenue TCR	TK 2 Minibond @ 312 + 00	2C #14	2-310T/312R
Rogers Avenue TCR	TK 2 Minibond @ 314 + 25	2C #14	2-312T/314R
Rogers Avenue TCR	TK 2 Minibond @ 319 + 00	2C #14	2-314T/319R
Rogers Avenue TCR	TK 2 Minibond @ 321 + 50	2C #14	2-319T/322R
Rogers Avenue TCR	TK 2 Minibond @ 324 + 50	2C #14	2-322T/325R
Rogers Avenue TCR	TK 2 Minibond @ 329 + 00	2C #14	2-325T/329R
Rogers Avenue TCR	TK 2 Minibond @ 332 +54	2C #14	2-329T
Rogers Avenue TCR	TK 2 Minibond @ 332 + 54	2C #14	2-333R
Rogers Avenue TCR	TK 2 Minibond @ 334 + 85	2C #14	2-33T/335R
Rogers Avenue TCR	TK 2 Minibond @ 307 + 10	2C #14	2-335T
Rogers Avenue TCR	TK 2 Minibond @ 307 + 10	2C #14	2-337R
Rogers Avenue TCR	TK 2 Minibond @ 340 + 50	2C #14	2-337T/340R
Rogers Avenue TCR	TK 2 Minibond @ 341 + 24	2C #14	2-340T

Rogers Avenue

From Location	To Location	Cable Type	Function
Rogers Avenue TCR	TK 2 Minibond @ 341 + 24	2C #14	2-341T
Rogers Avenue TCR	TK 2 Minibond @ 341 + 32	2C # 14	1XLT
Rogers Avenue TCR	TK 2 Minibond @ 342 + 74	2C #14	2-341R/343R
Rogers Avenue TCR	TK 2 Minibond @ 344 + 16	2C #14	2-343T
Rogers Avenue TCR	TK 2 Minibond @ 344 + 16	2C #14	2-344R
Rogers Avenue TCR	TK 2 Minibond @ 346 + 48	2C #14	2-344T
Rogers Avenue TCR	TK 2 Minibond @ 346 + 48	2C #14	2-346T
Rogers Avenue TCR	TK 2 Minibond @ 347 + 15	2C #14	2-346R/347R
Rogers Avenue TCR	TK 2 Minibond @ 348 + 02	2C #14	2-347T
Rogers Avenue TCR	TK 2 Minibond @ 348 + 02	2C #14	2-348R
Rogers Avenue TCR	TK 2 Minibond @ 352 + 00	2C #14	2-348T/325R
Rogers Avenue TCR	Substation Room	10C # 16	Traction Power Indication Cable

West Coldspring

From Location	To Location	Cable Type	Function
West Coldspring TCR	Portal TCR	31C # 14	Express Cable
West Coldspring TCR	TK 2 Minibond @ 302 + 00	2C #14	2-295T/302R
West Coldspring TCR	TK 2 Minibond @ 294 + 50	2C #14	2-289T/295R
West Coldspring TCR	TK 2 Minibond @ 289 + 00	2C #14	2-283T/289R
West Coldspring TCR	TK 2 Minibond @ 282 + 75	2C #14	2-277T/283R
West Coldspring TCR	TK 2 Minibond @ 276 + 55	2C #14	2-274T/277R
West Coldspring TCR	TK 2 Minibond @ 274 + 41	2C #14	2-272T/274R
West Coldspring TCR	TK 2 Minibond @ 272 + 11	2C #14	2-272R
West Coldspring TCR	TK 2 Minibond @ 272 + 11	2C #14	2-268T
West Coldspring TCR	TK 2 Minibond @ 267 + 49	2C #14	2-268R
West Coldspring TCR	TK 2 Minibond @ 267 + 49	2C #14	2-261T
West Coldspring TCR	TK 2 Minibond @ 261 + 00	2C #14	2-255T/261R
West Coldspring TCR	TK 2 Minibond @ 255 + 47	2C #14	2-248T/255R
West Coldspring TCR	TK 2 Minibond @ 248 + 55	2C #14	2-243T/248R
West Coldspring TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
West Coldspring TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
West Coldspring TCR	TK 2 Sta. Stop JB @ 260+49	2C # 16	Approach Station Program Coil
West Coldspring TCR	TK 1 Sta. Stop JB @ 283+81	2C # 16	Approach Station Program Coil
West Coldspring TCR	TK 1 Minibond @ 295 + 50	2C #14	1-298T//296R
West Coldspring TCR	TK 1 Minibond @ 293 + 30	2C #14	1-296T/293R
West Coldspring TCR	TK 1 Minibond @ 290 + 80	2C #14	1-293T/291R
West Coldspring TCR	TK 1 Minibond @ 289 + 15	2C #14	1-291T/289R
West Coldspring TCR	TK 1 Minibond @ 282 + 00	2C #14	1-289T/282R
West Coldspring TCR	TK 1 Minibond @ 277 + 00	2C #14	1-282T/277R
West Coldspring TCR	TK 1 Minibond @ 274 + 42	2C #14	1-277T/274R
West Coldspring TCR	TK 1 Minibond @ 272 + 11	2C #14	1-274T
West Coldspring TCR	TK 1 Minibond @ 272 + 11	2C #14	1-272R
West Coldspring TCR	TK 1 Minibond @ 269 + 80	2C #14	1-272T/270R
West Coldspring TCR	TK 1 Minibond @ 267 + 49	2C #14	1-270T
West Coldspring TCR	TK 1 Minibond @ 267 + 49	2C #14	1-268R
West Coldspring TCR	TK 1 Minibond @ 265 + 05	2C #14	1-268T/265R
West Coldspring TCR	TK 1 Minibond @ 263 + 02	2C #14	1-265T/263R
West Coldspring TCR	TK 1 Minibond @ 259 + 00	2C #14	1-263T/259R
West Coldspring TCR	TK 1 Minibond @ 255 + 33	2C #14	1-259T/255R

Portal

From Location	To Location	Cable Type	Function
Portal TCR	Mondawmin TCR	31C #14	Express Cable
Portal TCR	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Portal TCR	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Portal TCR	Switch 3A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Portal TCR	Switch 3B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Portal TCR	Switch 5A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Portal TCR	Switch 5B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Portal TCR	Switch 7A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Portal TCR	Switch 7A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Portal TCR	Signal 2 Junction Box	5C #14	Signal Lighting Cable
Portal TCR	Signal 4 Junction Box	5C #14	Signal Lighting Cable
Portal TCR	Signal 6 Junction Box	5C #14	Signal Lighting Cable
Portal TCR	Signal 8 Junction Box	5C #14	Signal Lighting Cable
Portal TCR	Signal 10 Junction Box	5C #14	Signal Lighting Cable
Portal TCR	Signal 12 Junction Box	5C #14	Signal Lighting Cable
Portal TCR	BP Signal 100 Junction Box	5C #14	Signal Lighting Cable
Portal TCR	BP Signal 102 Junction Box	5C #14	Signal Lighting Cable
Portal TCR	Snow Melter Case 3	7C #14	Snow Melter Control Cable
Snow Melter Case 3	Snow Melter Case 4	7C #14	Snow Melter Control Cable
Snow Melter Case 1	Snow Melter Case 2	7C #14	Snow Melter Control Cable
Portal TCR	Snow Melter Case 1	7C #14	Snow Melter Control Cable
Portal TCR	Track Rail	2C #9	S-06TR PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	S-06TT PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	S-10TR PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	S-10TT PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	S-13TR PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	S-13TT PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	S-19TR PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	S-19TT PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	1-3XTR PF Track Circuit Cable
Portal TCR	Track Rail	2C #9	1-3XTT PF Track Circuit Cable
Portal TCR	TK 2 Minibond @ 243 + 25	2C #14	2-238T/243R
Portal TCR	TK 2 Minibond @ 237 + 50	2C #14	2-233T/238R
Portal TCR	TK 2 Minibond @ 232 + 52	2C #14	2-233R
Portal TCR	TK 2 Minibond @ 232 + 52	2C #14	2-232T
Portal TCR	TK 2 Minibond @ 231 + 72	2C #14	2-232R/231R
Portal TCR	TK 2 Minibond @ 230 + 91	2C #14	2-231-T
Portal TCR	TK 2 Minibond @ 230 + 91	2C #14	2-230T
Portal TCR	TK 2 Minibond @ 230 + 97	2C #14	S-10TL
Portal TCR	TK 2 Minibond @ 230 + 84	2C #14	3XTL
Portal TCR	TK 2 Minibond @ 229 + 95	2C #14	2-230R/229R

Traction Power & Signal Cable Matrix

Portal

From Location	To Location	Cable Type	Function
Portal TCR	TK 2 Minibond @ 229 + 05	2C #14	2-229T
Portal TCR	TK 2 Minibond @ 229 + 05	2C #14	2-228T
Portal TCR	TK 2 Minibond @ 228 + 96	2C #14	S-13TL
Portal TCR	TK 2 Minibond @ 228 + 23	2C #14	2-228R/227R
Portal TCR	TK 2 Minibond @ 227 + 41	2C #14	2-227T
Portal TCR	TK 2 Minibond @ 227 + 41	2C #14	2-220T
Portal TCR	TK 2 Minibond @ 219 + 50	2C #14	2-220R/212T
Portal TCR	TK 2 Minibond @ 211 + 37	2C #14	2-212R/205T
Portal TCR	TK 1 Minibond @ 247 +00	2C #14	1-255T/247R
Portal TCR	TK 1 Minibond @ 239 + 00	2C #14	1-247T/239R
Portal TCR	TK 1 Minibond @ 230 + 92	2C #14	1-239T
Portal TCR	TK 1 Minibond @ 230 + 92	2C #14	1-231T
Portal TCR	TK 1 Minibond @ 230 + 84	2C #14	1XTL
Portal TCR	TK 1 Minibond @ 229 + 95	2C #14	1-230R/231R
Portal TCR	TK 1 Minibond @ 229 + 02	2C #14	1-230T
Portal TCR	TK 1 Minibond @229 + 02	2C #14	1-229R
Portal TCR	TK 1 Minibond @ 221 + 60	2C #14	1-229T/222R
Portal TCR	TK 1 Minibond @ 214 + 50	2C #14	1-222T/215R
Portal TCR	TK 1 Minibond @ 211 + 69	2C #14	1-215T/212R
Portal TCR	Horn/Light TK 1 & TK 2	7C # 14	Control Cable

Mondawmin

From Location	To Location	Cable Type	Function
Mondawmin TCR	Penn North TCR	31C #14	Express Cable
Mondawmin TCR	Substation	10C #16	Traction Power Indication Cable
Mondawmin TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Mondawmin TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Mondawmin TCR	TK 2 Sta. Stop JB @ 161+17	2C # 16	Approach Station Program Coil
Mondawmin TCR	TK 1 Sta. Stop JB @ 181+19	2C # 16	Approach Station Program Coil
Mondawmin TCR	TK 2 Minibond @ 204 + 50	2C #14	2-205R/197T
Mondawmin TCR	TK 2 Minibond @ 197 + 00	2C #14	2-197R/190T
Mondawmin TCR	TK 2 Minibond @ 189 + 50	2C #14	2-190R/182T
Mondawmin TCR	TK 2 Minibond @ 182 + 00	2C #14	2-182R/177T
Mondawmin TCR	TK 2 Minibond @ 177 + 49	2C #14	2-177R
Mondawmin TCR	TK 2 Minibond @ 177 + 49	2C #14	2-173T
Mondawmin TCR	TK 2 Minibond @ 172 + 87	2C #14	2-173R
Mondawmin TCR	TK 2 Minibond @ 172 + 87	2C #14	2-169T
Mondawmin TCR	TK 2 Minibond @ 169 + 00	2C #14	2-169R/164T
Mondawmin TCR	TK 2 Minibond @ 164 + 00	2C #14	2-164R/159T
Mondawmin TCR	TK 2 Minibond @159 + 00	2C #14	2-159R/158T
Mondawmin TCR	TK 2 Minibond @ 157 + 80	2C #14	2-158R/153T
Mondawmin TCR	TK 2 Minibond @ 153 + 00	2C #14	2-153R/148T
Mondawmin TCR	TK 1 Minibond @ 207 + 00	2C #14	1-212T/207R
Mondawmin TCR	TK 1 Minibond @ 200 + 00	2C #14	1-207T/200R
Mondawmin TCR	TK 1 Minibond @ 192 + 25	2C #14	1-200T/192R
Mondawmin TCR	TK 1 Minibond @ 189 + 50	2C #14	1-192T/190R
Mondawmin TCR	TK 1 Minibond @ 187 + 20	2C #14	1-190T/187R
Mondawmin TCR	TK 1 Minibond @ 182 + 15	2C #14	1-187T/182R
Mondawmin TCR	TK 1 Minibond @ 180 + 00	2C #14	1-182T/180R
Mondawmin TCR	TK 1 Minibond @ 177 + 49	2C #14	1-180T
Mondawmin TCR	TK 1 Minibond @ 177 + 49	2C #14	1-177R
Mondawmin TCR	TK 1 Minibond @ 175 + 65	2C #14	1-177T/176R
Mondawmin TCR	TK 1 Minibond @ 172 + 87	2C #14	1-176T
Mondawmin TCR	TK 1 Minibond @ 172 + 87	2C #14	1-173R
Mondawmin TCR	TK 1 Minibond @ 168 + 43	2C #14	1-173T/168R
Mondawmin TCR	TK 1 Minibond @ 162 + 56	2C #14	1-168T/163R
Mondawmin TCR	TK 1 Minibond @ 159 + 00	2C #14	1-163T/159R

Traction Power & Signal Cable Matrix

Penn North

From Location	To Location	Cable Type	Function
Penn North TCR	Upton TCR	31C #14	Express Cable
Penn North TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Penn North TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Penn North TCR	TK 2 Sta. Stop JB @ 121+48	2C # 16	Approach Station Program Coil
Penn North TCR	TK 1 Sta. Stop JB @ 149+48	2C # 16	Approach Station Program Coil
Penn North TCR	TK 2 Minibond @ 148 + 00	2C #14	2-148R/142T
Penn North TCR	TK 2 Minibond @ 142 + 25	2C #14	2-142R/138T
Penn North TCR	TK 2 Minibond @ 137 + 78	2C #14	2-138R
Penn North TCR	TK 2 Minibond @ 137 + 78	2C #14	2-133T
Penn North TCR	TK 2 Minibond @ 133 + 16	2C #14	2-133R
Penn North TCR	TK 2 Minibond @ 133 + 16	2C #14	2-128T
Penn North TCR	TK 2 Minibond @ 128 + 25	2C #14	2-128R/124T
Penn North TCR	TK 2 Minibond @ 123 + 75	2C #14	2-124R/121T
Penn North TCR	TK 2 Minibond @ 120 + 53	2C #14	2-121R/119T
Penn North TCR	TK 1 Minibond @ 157 + 50	2C #14	1-159T/158R
Penn North TCR	TK 1 Minibond @ 156 + 10	2C #14	1-158T/156R
Penn North TCR	TK 1 Minibond @ 154 + 00	2C #14	1-156T/154R
Penn North TCR	TK 1 Minibond @ 151 + 50	2C #14	1-154T/152R
Penn North TCR	TK 1 Minibond @ 146 + 03	2C #14	1-152T/146R
Penn North TCR	TK 1 Minibond @ 142 + 20	2C #14	1-146T/142R
Penn North TCR	TK 1 Minibond @ 137 + 78	2C #14	1-142T
Penn North TCR	TK 1 Minibond @ 137 + 78	2C #14	1-138R
Penn North TCR	TK 1 Minibond @ 135 + 77	2C #14	1-138T/136R
Penn North TCR	TK 1 Minibond @ 133 + 16	2C #14	1-136T
Penn North TCR	TK 1 Minibond @ 133 + 16	2C #14	1-133R
Penn North TCR	TK 1 Minibond @ 130 + 97	2C #14	1-133T/131R
Penn North TCR	TK 1 Minibond @ 128 + 72	2C #14	1-131T/129R
Penn North TCR	TK 1 Minibond @ 125 + 50	2C #14	1-129T/126R
Penn North TCR	TK 1 Minibond @ 122 + 00	2C #14	1-126T/122R

Upton

From Location	To Location	Cable Type	Function
Upton TCR	State Center TCR	31C #14	Express Cable
Upton TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Upton TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Upton TCR	TK 2 Sta. Stop JB @ 098+25	2C # 16	Approach Station Program Coil
Upton TCR	TK 1 Sta. Stop JB @ 119+58	2C # 16	Approach Station Program Coil
Upton TCR	TK 2 Minibond @ 119 + 00	2C #14	2-119R/114T
Upton TCR	TK 2 Minibond @ 114 + 25	2C #14	2-114R/112T
Upton TCR	TK 2 Minibond @ 112 + 00	2C #14	2-112R/108T
Upton TCR	TK 2 Minibond @ 107 + 88	2C #14	2-108R
Upton TCR	TK 2 Minibond @ 107 + 88	2C #14	2-103T
Upton TCR	TK 2 Minibond @ 103 + 25	2C #14	2-103R
Upton TCR	TK 2 Minibond @ 103 + 25	2C #14	2-097T
Upton TCR	TK 2 Minibond @ 096 + 75	2C #14	2-097R/090T
Upton TCR	TK 2 Minibond @ 090 + 00	2C #14	2-090R/083T
Upton TCR	TK 2 Minibond @ 083 + 25	2C #14	2-083R/081T
Upton TCR	TK 1 Minibond @ 120 + 53	2C #14	1-122T/121R
Upton TCR	TK 1 Minibond @ 119 + 00	2C #14	1-121T/119R
Upton TCR	TK 1 Minibond @ 115 + 00	2C #14	1-119T/115R
Upton TCR	TK 1 Minibond @ 111 + 00	2C #14	1-115T/111R
Upton TCR	TK 1 Minibond @ 107 + 88	2C #14	1-111T
Upton TCR	TK 1 Minibond @ 107 + 88	2C #14	1-108R
Upton TCR	TK 1 Minibond @ 105 + 15	2C #14	1-108T/105R
Upton TCR	TK 1 Minibond @ 103 + 25	2C #14	1-105T
Upton TCR	TK 1 Minibond @ 103 + 25	2C #14	1-103R
Upton TCR	TK 1 Minibond @ 098 + 80	2C #14	1-103T/099R
Upton TCR	TK 1 Minibond @ 092 + 20	2C #14	1-099T/092R
Upton TCR	TK 1 Minibond @ 085 + 50	2C #14	1-092T/085R

State Center

From Location	To Location	Cable Type	Function
State Center TCR	Lexington Market TCR	31C #14	Express Cable
State Center TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
State Center TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
State Center TCR	TK 2 Sta. Stop JB @ 053+77	2C # 16	Approach Station Program Coil
State Center TCR	TK 1 Sta. Stop JB @ 072+40	2C # 16	Approach Station Program Coil
State Center TCR	Track Rail	2C #9	1-3XTR PF Track Circuit Cable
State Center TCR	Track Rail	2C #9	1-3XTT PF Track Circuit Cable
State Center TCR	Signal 2 Terminated in Signal Head	5C #14	Signal Lighting Cable
State Center TCR	Signal 4 Terminated in Signal Head	5C #14	Signal Lighting Cable
State Center TCR	Signal 6 Terminated in Signal Head	5C #14	Signal Lighting Cable
State Center TCR	Signal 8 Terminated in Signal Head	5C #14	Signal Lighting Cable
State Center TCR	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
State Center TCR	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
State Center TCR	Switch 3A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
State Center TCR	Switch 3B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
State Center TCR	TK 2 Minibond @ 080 + 53	2C #14	2-081R/077T
State Center TCR	TK 2 Minibond @ 076 + 50	2C #14	2-077R/070T
State Center TCR	TK 2 Minibond @ 069 + 50	2C #14	2-070R
State Center TCR	TK 2 Minibond @ 069 + 50	2C #14	2-068T
State Center TCR	TK 2 Minibond @ 067 + 94	2C #14	2-068R
State Center TCR	TK 2 Minibond @ 067 + 94	2C #14	2-065T
State Center TCR	TK 2 Minibond @ 066 + 46	2C #14	1XTL
State Center TCR	TK 2 Minibond @ 065 + 40	2C #14	2-065R
State Center TCR	TK 2 Minibond @ 065 + 40	2C #14	2-061T
State Center TCR	TK 2 Minibond @ 060 + 77	2C #14	2-061R
State Center TCR	TK 2 Minibond @ 060 + 77	2C #14	2-054T
State Center TCR	TK 2 Minibond @ 054 + 25	2C #14	2-054R/048T
State Center TCR	TK 2 Minibond @ 048 + 00	2C #14	2-048R/046T
State Center TCR	TK 1 Minibond @ 080 + 53	2C #14	1-086T/081R
State Center TCR	TK 1 Minibond @ 078 + 25	2C #14	1-081T/079R
State Center TCR	TK 1 Minibond @ 072 + 50	2C #14	1-079T/073R
State Center TCR	TK 1 Minibond @ 069 + 50	2C #14	1-073T
State Center TCR	TK 1 Minibond @ 069 + 50	2C #14	1-070R
State Center TCR	TK 1 Minibond @ 067 + 94	2C #14	1-070T
State Center TCR	TK 1 Minibond @ 067 + 94	2C #14	1-068R
State Center TCR	TK 1 Minibond @ 066 + 46	2C #14	3XTL
State Center TCR	TK 1 Minibond @ 065 + 40	2C #14	1-068T
State Center TCR	TK 1 Minibond @ 065 + 40	2C #14	1-065R
State Center TCR	TK 1 Minibond @ 060 + 77	2C #14	1-065T
State Center TCR	TK 1 Minibond @ 060 + 77	2C #14	1-061R

State Center

From Location	To Location	Cable Type	Function
State Center TCR	TK 1 Minibond @ 056 + 33	2C #14	1-061T/056R
State Center TCR	TK 1 Minibond @ 052 + 60	2C #14	1-056T/053R
State Center TCR	TK 1 Minibond @ 048 + 97	2C #14	1-053T/049R
State Center TCR	Substation Room	10C # 16	Traction Power Indication Cable

Lexington Market

From Location	To Location	Cable Type	Function
Lexington Market TCR	Charles Center TCR	31C #14	Express Cable
Lexington Market TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Lexington Market TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Lexington Market TCR	TK 2 Sta. Stop JB @ 019+00	2C # 16	Approach Station Program Coil
Lexington Market TCR	TK 1 Sta. Stop JB @ 037+88	2C # 16	Approach Station Program Coil
Lexington Market TCR	TK 2 Minibond @ 046 + 14	2C #14	2-046R/042T
Lexington Market TCR	TK 2 Minibond @ 041 + 50	2C #14	2-042R/035T
Lexington Market TCR	TK 2 Minibond @ 035 + 00	2C #14	2-035R/031T
Lexington Market TCR	TK 2 Minibond @ 030 + 68	2C #14	2-031R
Lexington Market TCR	TK 2 Minibond @ 030 + 68	2C #14	2-026T
Lexington Market TCR	TK 2 Minibond @ 026 + 05	2C #14	2-026R
Lexington Market TCR	TK 2 Minibond @ 026 + 05	2C #14	2-020T
Lexington Market TCR	TK 2 Minibond @ 020 + 00	2C #14	2-020R/014T
Lexington Market TCR	TK 1 Minibond @ 046 + 14	2C #14	1-049T/046R
Lexington Market TCR	TK 1 Minibond @ 042 + 00	2C #14	1-046T/042R
Lexington Market TCR	TK 1 Minibond @ 037 + 00	2C #14	1-042T/037R
Lexington Market TCR	TK 1 Minibond @ 033 + 50	2C #14	1-037T/034R
Lexington Market TCR	TK 1 Minibond @ 030 + 68	2C #14	1-034T
Lexington Market TCR	TK 1 Minibond @ 030 + 68	2C #14	1-031R
Lexington Market TCR	TK 1 Minibond @ 028 + 36	2C #14	1-031T/028R
Lexington Market TCR	TK 1 Minibond @ 026 + 05	2C #14	1-028T
Lexington Market TCR	TK 1 Minibond @ 026 + 05	2C #14	1-026R
Lexington Market TCR	TK 1 Minibond @ 021 + 50	2C #14	1-026T/022R
Lexington Market TCR	TK 1 Minibond @ 016 + 00	2C #14	1-022T/016R

Charles Center

From Location	To Location	Cable Type	Function
Charles Center TCR	Shot Tower TCR	31C #14	Express Cable
Charles Center TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Charles Center TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Charles Center TCR	TK 2 Sta. Stop JB @ 20-7+50	2C # 16	Approach Station Program Coil
Charles Center TCR	TK 1 Sta. Stop JB @ 011+36	2C # 16	Approach Station Program Coil
Charles Center TCR	Track Rail	2C #9	1-3XTR PF Track Circuit Cable
Charles Center TCR	Track Rail	2C #9	1-3XTT PF Track Circuit Cable
Charles Center TCR	Signal 2 Terminated in Signal Head	5C #14	Signal Lighting Cable
Charles Center TCR	Signal 4 Terminated in Signal Head	5C #14	Signal Lighting Cable
Charles Center TCR	Signal 6 Terminated in Signal Head	5C #14	Signal Lighting Cable
Charles Center TCR	Signal 8 Terminated in Signal Head	5C #14	Signal Lighting Cable
Charles Center TCR	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Charles Center TCR	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Charles Center TCR	Switch 3A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Charles Center TCR	Switch 3B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Charles Center TCR	TK 2 Minibond @ 2-014+00	2C #14	1-014R/008T
Charles Center TCR	TK 2 Minibond @2-007+77	2C #14	2-008R
Charles Center TCR	TK 2 Minibond @2-007+77	2C #14	2-006T
Charles Center TCR	TK 2 Minibond @2-005+88	2C #14	2-006R/004R
Charles Center TCR	TK 2 Minibond @2-004+73	2C #14	1XTL
Charles Center TCR	TK 2 Minibond @2-004+27	2C #14	2-004T
Charles Center TCR	TK 2 Minibond @2-004+27	2C #14	2-001T
Charles Center TCR	TK 2 Minibond @20-0+49	2C #14	2-001R
Charles Center TCR	TK 2 Minibond @20-0+49	2C #14	20-006T
Charles Center TCR	TK 2 Minibond @20-6+00	2C #14	20-006R/008T
Charles Center TCR	TK 2 Minibond @20-8+00	2C #14	20-008R/012T
Charles Center TCR	TK 2 Minibond @20-11+64	2C #14	20-012R/015T
Charles Center TCR	TK 2 Minibond @ 20-15+30	2C #14	20-015R/020T
Charles Center TCR	TK 2 Minibond @20-19+61	2C #14	20-020R
Charles Center TCR	TK 2 Minibond @20-19+61	2C #14	20-024T
Charles Center TCR	TK 2 Minibond @20-24+25	2C #14	20-024R
Charles Center TCR	TK 1 Minibond @ 1-011+10	2C #14	1-016T/011R
Charles Center TCR	TK 1 Minibond @1-007+77	2C #14	1-011T
Charles Center TCR	TK 1 Minibond @1-007+77	2C #14	1-008T
Charles Center TCR	TK 1 Minibond @1-005+88	2C #14	1-008R/006R
Charles Center TCR	TK 1 Minibond @1-004+73	2C #14	3XTL
Charles Center TCR	TK 1 Minibond @1-004+36	2C #14	1-006T
Charles Center TCR	TK 1 Minibond @1-004+36	2C #14	1-004R
Charles Center TCR	TK 1 Minibond @1-002+40	2C #14	1-004T/002R
Charles Center TCR	TK 1 Minibond @10-0+49	2C #14	1-002R

Charles Center

From Location	To Location	Cable Type	Function
Charles Center TCR	TK 1 Minibond @10-0+49	2C #14	10-001R
Charles Center TCR	TK 1 Minibond @10-3+46	2C #14	10-001T/003R
Charles Center TCR	TK 1 Minibond @10-7+00	2C #14	10-003T/007R
Charles Center TCR	TK 1 Minibond @10-11+60	2C #14	10-007T/012R
Charles Center TCR	TK 1 Minibond @10-12+50	2C #14	10-012T/013R
Charles Center TCR	TK 1 Minibond @10-17+70	2C #14	10-013T/018R
Charles Center TCR	TK 1 Minibond @10-19+61	2C #14	10-018T
Charles Center TCR	TK 1 Minibond @10-19+61	2C #14	10-019R
Charles Center TCR	TK 1 Minibond @10-20+66	2C #14	10-019T/021R
Charles Center TCR	TK 1 Minibond @10-24+25	2C #14	10-021T

Shot Tower

From Location	To Location	Cable Type	Function
Shot Tower TCR	John Hopkins TCR	31C # 14	Express Cable
Shot Tower TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Shot Tower TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Shot Tower TCR	TK 2 Sta. Stop JB @20-31+00	2C # 16	Approach Station Program Coil
Shot Tower TCR	TK 1 Sta. Stop JB @10-12+67	2C # 16	Approach Station Program Coil

John Hopkins

From Location	To Location	Cable Type	Function
John Hopkins TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
John Hopkins TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
John Hopkins TCR	TK 1 Sta. Stop JB @10-63+61	2C # 16	Approach Station Program Coil
John Hopkins TCR	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
John Hopkins TCR	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
John Hopkins TCR	Switch 3A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
John Hopkins TCR	Switch 3B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
John Hopkins TCR	Signal 2 Terminated in Signal Head	5C #14	Signal Lighting Cable
John Hopkins TCR	Signal 4 Terminated in Signal Head	5C #14	Signal Lighting Cable
John Hopkins TCR	Signal 6 Terminated in Signal Head	5C #14	Signal Lighting Cable
John Hopkins TCR	Signal 8 Terminated in Signal Head	5C #14	Signal Lighting Cable
John Hopkins TCR	Signal 12 Terminated in Signal Head	5C #14	Signal Lighting Cable
John Hopkins TCR	Signal 14 Terminated in Signal Head	5C #14	Signal Lighting Cable
John Hopkins TCR	Signal 100 Terminated in Signal Head	5C #14	Signal Lighting Cable
John Hopkins TCR	Signal 102 Terminated in Signal Head	5C #14	Signal Lighting Cable
John Hopkins TCR	Trip Stop 20-75+18	12C # 14	Trip Stop Control Cable
John Hopkins TCR	Trip Stop 10-75+18	12C # 14	Trip Stop Control Cable
John Hopkins TCR	Trip Stop 20-78+90	12C # 14	Trip Stop Control Cable
John Hopkins TCR	Trip Stop 10-78+90	12C # 14	Trip Stop Control Cable
John Hopkins TCR	Track Rail	2C #9	1-3XTR PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	1-3XTT PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	20-083TT PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	20-083TR PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	20-079TT PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	20-079TR PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	10-075TT PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	10-075TR PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	10-080TT PF Track Circuit Cable
John Hopkins TCR	Track Rail	2C #9	10-080TR PF Track Circuit Cable
John Hopkins TCR	Track 2 Train Start Light	5C #14	Indication Cable
John Hopkins TCR	Track 1 Train Start Light	5C #14	Indication Cable
John Hopkins TCR	Signal 2 Pushbutton Box	7C #14	Control & Indication Cable
John Hopkins TCR	Signal 4 Pushbutton Box	7C #14	Control & Indication Cable
John Hopkins TCR	Signal 6 Pushbutton Box	7C #14	Control & Indication Cable
John Hopkins TCR	TK 1 Minibond @ 10-75+18	2C #14	10-075T/080T Loop
John Hopkins TCR	TK 1 Minibond @ 10-70+06	2C #14	3XTL
John Hopkins TCR	TK 2 Minibond @ 20-24+25	2C #14	20-031T
John Hopkins TCR	TK 2 Minibond @ 20-31+00	2C #14	20-031R/20-036T
John Hopkins TCR	TK 2 Minibond @ 20-36+10	2C #14	20-036R/20—044T
John Hopkins TCR	TK 2 Minibond @ 20-44+07	2C #14	20-044R/20-056T

John Hopkins

From Location	To Location	Cable Type	Function
John Hopkins TCR	TK 2 Minibond @ 20-55+50	2C #14	20-056R/20-067T
John Hopkins TCR	TK 2 Minibond @ 20-66+87	2C #14	20-067R
John Hopkins TCR	TK 2 Minibond @ 20-66+87	2C #14	20-068T
John Hopkins TCR	TK 2 Minibond @ 20-68+25	2C #14	20-068R/20-070T
John Hopkins TCR	TK 2 Minibond @ 20-70+06	2C #14	1XTL
John Hopkins TCR	TK 2 Minibond @ 20-70+54	2C #14	20-070R
John Hopkins TCR	TK 2 Minibond @ 20-70+54	2C #14	20-075T
John Hopkins TCR	TK 2 Minibond @ 20-75+18	2C #14	20-075R
John Hopkins TCR	TK 2 Minibond @ 20-75+18	2C #14	20-079T/083T Loop
John Hopkins TCR	TK 1 Minibond @ 10-24+25	2C #14	10-24R
John Hopkins TCR	TK 1 Minibond @ 10-28+00	2C #14	10-024T/20-028R
John Hopkins TCR	TK 1 Minibond @ 10-34+50	2C #14	10-028T/10-035R
John Hopkins TCR	TK 1 Minibond @ 10-38+50	2C #14	10-035T/10-038R
John Hopkins TCR	TK 1 Minibond @ 10-44+07	2C #14	10-038T/10-044R
John Hopkins TCR	TK 1 Minibond @ 10-55+00	2C #14	10-044T/10-055R
John Hopkins TCR	TK 1 Minibond @ 10-61+00	2C #14	10-055T/10-061R
John Hopkins TCR	TK 1 Minibond @ 10-66+93	2C #14	10-061T
John Hopkins TCR	TK 1 Minibond @ 10-66+93	2C #14	10-067R
John Hopkins TCR	TK 1 Minibond @10-68+25	2C #14	10-067T/10-068R
John Hopkins TCR	TK 1 Minibond @ 10-70+54	2C #14	10-068T
John Hopkins TCR	TK 1 Minibond @ 10-70+54	2C #14	10-070R
John Hopkins TCR	TK 1 Minibond @ 10-75+18	2C #14	10-070T

Millford Mill

From Location	To Location	Cable Type	Function
Millford Mill TCR	Old Court TCR	31C # 14	Express Cable
Millford Mill TCR	Reisterstown Plaza TCR	31C # 14	Express Cable
Millford Mill TCR	Reisterstown Plaza TCR	7C # 14	Express Cable
Millford Mill TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Millford Mill TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Millford Mill TCR	TK 1 Sta. Stop JB @ 421+55	2C # 16	Approach Station Program Coil
Millford Mill TCR	TK 2 Sta. Stop JB @ 449+75	2C # 16	Approach Station Program Coil
Millford Mill TCR	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Millford Mill TCR	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Millford Mill TCR	Switch 3 Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Millford Mill TCR	Signal 2 Terminated in Signal Head	5C #14	Signal Lighting Cable
Millford Mill TCR	Signal 4 Terminated in Signal Head	5C #14	Signal Lighting Cable
Millford Mill TCR	Signal 6 Terminated in Signal Head	5C #14	Signal Lighting Cable
Millford Mill TCR	Signal 8 Terminated in Signal Head	5C #14	Signal Lighting Cable
Millford Mill TCR	Signal 10 Terminated in Signal Head	5C #14	Signal Lighting Cable
Millford Mill TCR	Sig. MM-X Terminated in Signal Head	5C #14	Signal Lighting Cable
Millford Mill TCR	Signal 2 Pushbutton Box	7C #14	Control & Indication Cable
Millford Mill TCR	Signal 10 Pushbutton Box	7C #14	Control & Indication Cable
Millford Mill TCR	Substation Room	10C # 16	Traction Power Indication
Millford Mill TCR	Snow Melter Case 1	7C #14	Control & Indication Cable
Millford Mill TCR	Snow Melter Case 2	7C #14	Control & Indication Cable
Millford Mill TCR	Track Rail	2C #9	1-3XTT PF Track Circuit Cable
Millford Mill TCR	Track Rail	2C #9	1-3XTR PF Track Circuit Cable
Millford Mill TCR	Sudbrook Tunnel	10C # 14	Horns & Light Control Cable
Millford Mill TCR	TK 2 Minibond @ 402 + 00	2C # 14	2-398T/402R
Millford Mill TCR	TK 2 Minibond @ 410 + 00	2C # 14	2-402T/410R
Millford Mill TCR	TK 2 Minibond @ 416 + 90	2C # 14	2-410T/417R
Millford Mill TCR	TK 2 Minibond @ 424 + 00	2C # 14	2-417T/424R
Millford Mill TCR	TK 2 Minibond @ 429 + 00	2C # 14	2-424T/429R
Millford Mill TCR	TK 2 Minibond @ 433 + 19	2C # 14	2-429T
Millford Mill TCR	TK 2 Minibond @ 433 + 19	2C # 14	2-433R
Millford Mill TCR	TK 2 Minibond @ 437 + 75	2C # 14	2-433T
Millford Mill TCR	TK 2 Minibond @ 437 + 75	2C # 14	2-438T
Millford Mill TCR	TK 2 Minibond @ 439 + 15	2C # 14	2-438R/2-439R
Millford Mill TCR	TK 2 Minibond @ 440 + 40	2C # 14	1XTL
Millford Mill TCR	TK 2 Minibond @ 440 + 47	2C # 14	2-439T
Millford Mill TCR	TK 2 Minibond @ 440 + 47	2C # 14	2-440R
Millford Mill TCR	TK 2 Minibond @ 444 + 50	2C # 14	2-440T/2-445R
Millford Mill TCR	TK 2 Minibond @ 451 + 67	2C # 14	2-445T/452R
Millford Mill TCR	TK 2 Minibond @ 458 + 00	2C # 14	2-452T/458R

Millford Mill

From Location	To Location	Cable Type	Function
Millford Mill TCR	TK 2 Minibond @ 464 + 00	2C # 14	2-458T/464R
Millford Mill TCR	TK 2 Minibond @ 471 + 00	2C # 14	2-464T/471R
Millford Mill TCR	TK 2 Minibond @ 478 + 00	2C # 14	2-471T/478R
Millford Mill TCR	TK 3 Minibond @ 451 + 67	2C # 14	3-445R
Millford Mill TCR	TK 3 Minibond @ 445 + 09	2C # 14	3-445T/440R
Millford Mill TCR	TK 3 Minibond @ 440 + 59	2C # 14	3-440T
Millford Mill TCR	TK 1 Minibond @ 402 + 00	2C # 14	1-402R/411T
Millford Mill TCR	TK 1 Minibond @ 411 + 10	2C # 14	1-411R/417T
Millford Mill TCR	TK 1 Minibond @ 416 + 90	2C # 14	1-417R/424T
Millford Mill TCR	TK 1 Minibond @ 424 + 00	2C # 14	1-424R/429T
Millford Mill TCR	TK 1 Minibond @ 429 + 00	2C # 14	1-429R/433T
Millford Mill TCR	TK 1 Minibond @ 433 + 19	2C # 14	1-433R
Millford Mill TCR	TK 1 Minibond @ 433 + 19	2C # 14	1-438T
Millford Mill TCR	TK 1 Minibond @ 437 + 81	2C # 14	1-438R
Millford Mill TCR	TK 1 Minibond @ 437 + 81	2C # 14	1-439T
Millford Mill TCR	TK 1 Minibond @ 438 + 45	2C # 14	3XLT
Millford Mill TCR	TK 1 Minibond @ 439 + 15	2C # 14	1-439R/440R
Millford Mill TCR	TK 1 Minibond @ 440 +40	2C # 14	1-440T
Millford Mill TCR	TK 1 Minibond @ 440 + 40	2C # 14	1-445T
Millford Mill TCR	TK 1 Minibond @ 444 + 50	2C # 14	1-445R/452T
Millford Mill TCR	TK 1 Minibond @ 451 + 67	2C # 14	1-452R/456T
Millford Mill TCR	TK 1 Minibond @ 456 + 00	2C # 14	1-456R/461T
Millford Mill TCR	TK 1 Minibond @ 461 + 00	2C # 14	1-461R/471T
Millford Mill TCR	TK 1 Minibond @ 471 + 00	2C # 14	1-471R/478T
Millford Mill TCR	TK 1 Minibond @ 478 + 00	2C # 14	1-478R/486T

Old Court

From Location	To Location	Cable Type	Function
Old Court TCR	Mcdonough TCR	31C # 14	Express Cable
Old Court TCR	TK 2 Platform Sta. Stop JB	2C # 16	Station Program Coil
Old Court TCR	TK 1 Platform Sta. Stop JB	2C # 16	Station Program Coil
Old Court TCR	TK 2 Sta. Stop JB @ 508+27	2C # 16	Approach Station Program Coil
Old Court TCR	TK 1 Sta. Stop JB @ 536+17	2C # 16	Approach Station Program Coil
Old Court TCR	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Old Court TCR	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Old Court TCR	Switch 3A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Old Court TCR	Switch 3B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Old Court TCR	Switch 5A Junction Box	3C # 6	Switch Control Cable
Old Court TCR	Switch 5A Junction Box	7C # 14	Switch Indication Cable
Switch 5A Junction Box	Switch 5B Junction Box	7C # 14	Switch Indication Cable
Old Court TCR	Switch 5B Junction Box	3C # 6	Switch Control Cable
Old Court TCR	Switch 5B Junction Box	7C # 14	Switch Indication Cable
Switch 5B Junction Box	Switch 5C Junction Box	7C # 14	Switch Indication Cable
Old Court TCR	Switch 5C Junction Box	3C # 6	Switch Control Cable
Old Court TCR	Switch 5C Junction Box	7C # 14	Switch Indication Cable
Old Court TCR	Switch 9 Junction Box	3C # 6	Switch Control Cable
Old Court TCR	Switch 9 Junction Box	7C # 14	Switch Indication Cable
Old Court TCR	Signal 2 Junction Box	5C #14	Signal Lighting Cable
Old Court TCR	Signal 4 Junction Box	5C #14	Signal Lighting Cable
Old Court TCR	Signal 6 Junction Box	5C #14	Signal Lighting Cable
Old Court TCR	Signal 8 Junction Box	5C #14	Signal Lighting Cable
Old Court TCR	Signal 12 Terminated in Signal Head	5C #14	Signal Lighting Cable
Old Court TCR	Signal 14 Terminated in Signal Head	5C #14	Signal Lighting Cable
Old Court TCR	Substation Room	10C # 16	Traction Power Indication
Old Court TCR	Snow Melter Case 1	7C #14	Snow Melter Control Cable
Snow Melter Case 1	Snow Melter Case 2	7C #14	Snow Melter Control Cable
Old Court TCR	Snow Melter Case 3	7C #14	Snow Melter Control Cable
Old Court TCR	Track Rail	2C #9	1XTT PF Track Circuit Cable
Old Court TCR	Track Rail	2C #9	1XTR PF Track Circuit Cable
Old Court TCR	Track Rail	2C #9	3XTT PF Track Circuit Cable
Old Court TCR	Track Rail	2C #9	3XTR PF Track Circuit Cable
Old Court TCR	Track Rail	2C #9	5TT PF Track Circuit Cable
Old Court TCR	Track Rail	2C #9	5TR PF Track Circuit Cable
Old Court TCR	South Gate	3C # 6	South Crossing Gate Control Cable
Old Court TCR	South Gate	3C # 6	South Crossing Gate Control Cable
Old Court TCR	South Gate	7C # 14	South Crossing Gate Control Cable
Old Court TCR	North Gate	3C # 6	North Crossing Gate Control Cable
Old Court TCR	North Gate	3C # 6	North Crossing Gate Control Cable

Old Court

From Location	To Location	Cable Type	Function
Old Court TCR	North Gate	7C # 14	North Crossing Gate Control Cable
Old Court TCR	TK 2 Minibond @ 486 +00	2C # 14	2-478T/486R
Old Court TCR	TK 2 Minibond @ 493 + 50	2C # 14	2-486T/494R
Old Court TCR	TK 2 Minibond @ 498 + 00	2C # 14	2-494T/498R
Old Court TCR	TK 2 Minibond @ 503 + 70	2C # 14	2-498T/504R
Old Court TCR	TK 2 Minibond @ 511 + 50	2C # 14	2-504T/512R
Old Court TCR	TK 2 Minibond @ 519 + 90	2C # 14	2-512T
Old Court TCR	TK 2 Minibond @ 519 + 90	2C # 14	2-520R
Old Court TCR	TK 2 Minibond @ 524 + 47	2C # 14	2-520T
Old Court TCR	TK 2 Minibond @ 524 + 47	2C # 14	2-525T
Old Court TCR	TK 2 Minibond @ 525 + 78	2C # 14	1XTL
Old Court TCR	TK 2 Minibond @ 528 + 44	2C # 14	2-525R/528R
Old Court TCR	TK 2 Minibond @ 532 + 28	2C # 14	3XTL
Old Court TCR	TK 2 Minibond @ 532 +35	2C # 14	2-528T
Old Court TCR	TK 2 Minibond @ 532 + 35	2C # 14	2-532R
Old Court TCR	TK 2 Minibond @ 540 + 50	2C # 14	2-532T/541R
Old Court TCR	TK 2 Minibond @ 546 + 00	2C # 14	2-541T/546R
Old Court TCR	TK 2 Minibond @ 552 + 58	2C # 14	2-546T/552R
Old Court TCR	TK 2 Minibond @ 562 + 00	2C # 14	2-552T/562R
Old Court TCR	TK 1 Minibond @ 482 +00	2C # 14	1-486R/496T
Old Court TCR	TK 1 Minibond @ 495 +50	2C # 14	1-496R/504T
Old Court TCR	TK 1 Minibond @ 503 + 70	2C # 14	1-504R/512T
Old Court TCR	TK 1 Minibond @ 512 + 30	2C # 14	1-512R/520T
Old Court TCR	TK 1 Minibond @ 519 + 90	2C # 14	1-520R
Old Court TCR	TK 1 Minibond @ 519 + 90	2C # 14	1-525T
Old Court TCR	TK 1 Minibond @ 524 + 47	2C # 14	1-525R
Old Court TCR	TK 1 Minibond @ 524 + 47	2C # 14	1-527T
Old Court TCR	TK 1 Minibond @ 526 + 80	2C # 14	1-527R/530T
Old Court TCR	TK 1 Minibond @ 530 + 10	2C # 14	1-530R/532R
Old Court TCR	TK 1 Minibond @ 532 + 35	2C # 14	1-532T
Old Court TCR	TK 1 Minibond @ 532 + 35	2C # 14	1-541T
Old Court TCR	TK 1 Minibond @ 540 + 50	2C # 14	1-541R/547T
Old Court TCR	TK 1 Minibond @ 546 + 60	2C # 14	1-547R/552T
Old Court TCR	TK 1 Minibond @ 552 + 00	2C # 14	1-552R/562T
Old Court TCR	TK 1 Minibond @ 562 + 58	2C # 14	1-562R/572T

McDonough

From Location	To Location	Cable Type	Function
McDonough TCR	Owings Mills TCR	31C # 14	Express Cable
McDonough TCR	Substation Room	10C # 16	Traction Power Indication
McDonough TCR	TK 2 Minibond @ 572 + 20	2C # 14	2-562T/572R
McDonough TCR	TK 2 Minibond @ 583 + 00	2C # 14	2-572T/583R
McDonough TCR	TK 2 Minibond @ 592 + 00	2C # 14	2-583T/592R
McDonough TCR	TK 2 Minibond @ 603 + 00	2C # 14	2-592T/603R
McDonough TCR	TK 2 Minibond @ 610 + 50	2C # 14	2-603T
McDonough TCR	TK 2 Minibond @ 610 + 50	2C # 14	2-611R
McDonough TCR	TK 2 Minibond @ 621 + 00	2C # 14	2-611T/621R
McDonough TCR	TK 2 Minibond @ 631 + 00	2C # 14	2-621T/631R
McDonough TCR	TK 2 Minibond @ 641 + 00	2C # 14	2-631T/641R
McDonough TCR	TK 2 Minibond @ 651 + 00	2C # 14	2-641T/651R
McDonough TCR	TK 1 Minibond @ 572 + 20	2C # 14	1-572R/583T
McDonough TCR	TK 1 Minibond @ 583 + 00	2C # 14	1-583R/592T
McDonough TCR	TK 1 Minibond @ 592 + 00	2C # 14	1-592R/603T
McDonough TCR	TK 1 Minibond @ 603 + 00	2C # 14	1-603R/611T
McDonough TCR	TK 1 Minibond @ 610 + 50	2C # 14	1-611R
McDonough TCR	TK 1 Minibond @ 610 + 50	2C # 14	1-621T
McDonough TCR	TK 1 Minibond @ 621 + 00	2C # 14	1-621R/631T
McDonough TCR	TK 1 Minibond @ 631 + 00	2C # 14	1-631R/641T
McDonough TCR	TK 1 Minibond @ 641 + 00	2C # 14	1-641R/651T
McDonough TCR	TK 1 Minibond @ 651 + 00	2C # 14	1-651R/661T

Owings Mills

From Location	To Location	Cable Type	Function
Owings Mills TCR	TK 2 Platform Sta. Stop JB	2C #16	Station Program Coil
Owings Mills TCR	TK 1 Platform Sta. Stop JB	2C #16	Station Program Coil
Owings Mills TCR	TK 2 Sta. Stop JB @ 692+58	2C #16	Approach Station Program Coil
Owings Mills TCR	TK 1 Sta. Stop JB @ 692+58	2C #16	Approach Station Program Coil
Owings Mills TCR	Terminal Case TC1	31C #14	Express Cable
Owings Mills TCR	Terminal Case TC1	10C #14	Express Cable
Owings Mills TCR	Terminal Case TC1	8C #4	Express Cable
Owings Mills TCR	Terminal Case TC2	8C #4	Express Cable
Owings Mills TCR	Terminal Case TC2	31C #14	Express Cable
Terminal Case TC1	Signal 2 Junction Box	5C #14	Signal Lighting Cable
Terminal Case TC1	Signal 4 Junction Box	5C #14	Signal Lighting Cable
Terminal Case TC1	Signal 6 Junction Box	5C #14	Signal Lighting Cable
Terminal Case TC1	Signal 8 Junction Box	5C #14	Signal Lighting Cable
Terminal Case TC1	Signal 2 Pushbutton	7C # 14	Control & Indication Cable
Terminal Case TC1	Switch 1B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case TC1	Switch 3B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case TC2	Switch 1A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Terminal Case TC2	Switch 3A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Owings Mills TCR	Snow Melter Case 1	7C #14	Control & Indication Cable
Snow Melter Case 1	Snow Melter Case 2	7C #14	Control & Indication Cable
Snow Melter Case 2	Snow Melter Case 3	7C #14	Control & Indication Cable
Owings Mills TCR	Signal 10 Terminated in Signal Head	5C #14	Signal Lighting Cable
Owings Mills TCR	Signal 12 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	Signal 14 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	Signal 16 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	Signal 18 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	Signal 20 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	BP Signal 100 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	BP Signal 200 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	BP Signal 300 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	BP Signal 400 Junction Box	5C #14	Signal Lighting Cable
Owings Mills TCR	Signal 22 Pushbutton	7C # 14	Control & Indication Cable
Owings Mills TCR	Signal 24 Pushbutton	7C # 14	Control & Indication Cable
Owings Mills TCR	Switch 5A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Owings Mills TCR	Switch 5B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Owings Mills TCR	Switch 7A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Owings Mills TCR	Switch 7B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Owings Mills TCR	Switch 9A Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Owings Mills TCR	Switch 9B Junction Box	14C Composite (3C #9, 11C # 14)	Switch Control & Indication Cable
Owings Mills TCR	Substation Room	10C # 16	Traction Power Indication

Owings Mills

From Location	To Location	Cable Type	Function
Owings Mills TCR	Snow Melter Case 6	7C #14	Control & Indication Cable
Snow Melter Case 6	Snow Melter Case 5	7C #14	Control & Indication Cable
Snow Melter Case 5	Snow Melter Case 4	7C #14	Control & Indication Cable
Owings Mills TCR	Track Rail	2C #9	1XTT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	1XTR PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	3XTT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	3XTR PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	7XTT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	7XTR PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	1-706TT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	1-706TR PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	1-711TT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	1-711TR PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	2-704TT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	2-704TR PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	2-706TT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	2-706TR PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	3-706TT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	3-706TR PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	4-706TT PF Track Circuit Cable
Owings Mills TCR	Track Rail	2C #9	4-706TR PF Track Circuit Cable
Owings Mills TCR	Signal 22 Trip Stop	10C # 14	Control & Indication Cable
Owings Mills TCR	Signal 24 Trip Stop	10C # 14	Control & Indication Cable
Owings Mills TCR	TK 2 Minibond @ 661 + 00	2C # 14	2-651T/661R
Owings Mills TCR	TK 2 Minibond @ 671 + 00	2C # 14	2-661T/671R
Owings Mills TCR	TK 2 Minibond @ 674 + 75	2C # 14	2671T/675R
Owings Mills TCR	TK 2 Minibond @ 682 + 30	2C # 14	2-675T
Owings Mills TCR	TK 2 Minibond @ 682 + 30	2C # 14	2-682R
Owings Mills TCR	TK 2 Minibond @ 683 + 81	2C # 14	2-682T/684T
Owings Mills TCR	TK 2 Minibond @ 686 + 85	2C # 14	2-684R/687R
Owings Mills TCR	TK 2 Minibond @ 688 + 37	2C # 14	2-687T
Owings Mills TCR	TK 2 Minibond @ 688 + 37	2C # 14	2-688R
Owings Mills TCR	TK 2 Minibond @ 693 + 00	2C # 14	2-688T/693R
Owings Mills TCR	TK 2 Minibond @ 699 + 51	2C # 14	2-693T
Owings Mills TCR	TK 2 Minibond @ 699 + 51	2C # 14	2-700R
Owings Mills TCR	TK 2 Minibond @ 704 + 15	2C # 14	2-700T
Owings Mills TCR	TK 1 Minibond @ 661 + 00	2C # 14	1-661R/671T
Owings Mills TCR	TK 1 Minibond @ 671 + 00	2C # 14	1-671R/682T
Owings Mills TCR	TK 1 Minibond @ 682 + 30	2C # 14	1-682R
Owings Mills TCR	TK 1 Minibond @ 682 + 30	2C # 14	1-685T

Owings Mills

From Location	To Location	Cable Type	Function
Owings Mills TCR	TK 1 Minibond @ 682 + 37	2C # 14	1XTL
Owings Mills TCR	TK 1 Minibond @ 685 + 33	2C # 14	1-685R/688R
Owings Mills TCR	TK 1 Minibond @ 688 + 30	2C # 14	3XTL
Owings Mills TCR	TK 1 Minibond @ 688 + 37	2C # 14	1-688T
Owings Mills TCR	TK 1 Minibond @ 688 + 37	2C # 14	1-693T
Owings Mills TCR	TK 1 Minibond @ 693 + 00	2C # 14	1-693R/700T
Owings Mills TCR	TK 1 Minibond @ 699 + 51	2C # 14	1-700R
Owings Mills TCR	TK 1 Minibond @ 699 + 51	2C # 14	1-704T
Owings Mills TCR	TK 1 Minibond @ 704 + 15	2C # 14	1-704R

Signal Cable Matrix Overall Summary of Cable

Location Name	2C #6	2C #9	2C #14	2C #16	3C #6	4C #4	4C #9	5C #6	5C #14
North West Yard Main TCR		45				5	1		
North West Yard PIT TCR		28				7		2	
North West Yard Case H1									4
North West Yard Case H2									3
North West Yard Case H3		5							5
North West Yard Case H4		6							3
North West Yard Case H6									1
North West Yard Case H7									1
North West Yard Case H8									2
North West Yard Case H9		4							4
North West Yard Case H10		1							2
North West Yard Case H11		6							5
North West Yard Case H12		5							5
North West Yard Case H13		6							3
North West Yard Case H14		1							2
North West Yard Case H15		4							1
North West Yard Case H16		5							6
North West Yard Case H17									2
North West Yard Case H18		4							2
Rogers TCR	6	4	70	4					12
West Coldspring TCR			30	4					
Portal TCR		10	29						8
Mondawmin TCR			28	4					
Penn North TCR			24	4					
Upton TCR			22	4					
State Center TCR		2	28	4					4
Lexington Market TCR			19	4					
Charles Center TCR		2	35	4					4
Shot Tower TCR				4					
John Hopkins TCR		10	28	3					10
Reisterstown Plaza TCR		6	52	4					12
Milford Mill TCR		2	41	4					6
Old Court TCR		6	34	4	8				6
McDonough Rd TCR			20						
Owings Mills TCR		18	26	4					14
TOTAL CABLE COUNT	6	180	486	55	8	12	1	2	127

Signal Cable Matrix Overall Summary of Cable

Location Name	6C #14	7C #14	8C #4	8C #6	8C #9	8C #14	9C #14	10C #14	10C #16
North West Yard Main TCR	6			4					
North West Yard PIT TCR	8			2					
North West Yard Case H1									
North West Yard Case H2									
North West Yard Case H3									
North West Yard Case H4									
North West Yard Case H6									
North West Yard Case H7									
North West Yard Case H8									
North West Yard Case H9									
North West Yard Case H10									
North West Yard Case H11									
North West Yard Case H12									
North West Yard Case H13									
North West Yard Case H14									
North West Yard Case H15									
North West Yard Case H16									
North West Yard Case H17									
North West Yard Case H18									
Rogers TCR		5		2	3		5	5	1
West Coldspring TCR									1
Portal TCR		5							
Mondawmin TCR									1
Penn North TCR									
Upton TCR									
State Center TCR									1
Lexington Market TCR									
Charles Center TCR									
Shot Tower TCR									
John Hopkins TCR	3								
Reisterstown Plaza TCR		7			1	2	9	4	1
Milford Mill TCR		5						1	1
Old Court TCR		11							1
McDonough Rd TCR									1
Owings Mills TCR		9	2					3	1
TOTAL CABLE COUNT	17	42	2	8	4	2	14	13	9

Signal Cable Matrix Overall Summary of Cable

Location Name	12C #14	14C Composite	15C Composite	19C #14	27C #14	31C #14	37C #14	Total Room Cables
North West Yard Main TCR	2			1	8	1	9	82
North West Yard PIT TCR	5				3	5		60
North West Yard Case H1		1						5
North West Yard Case H2		3						6
North West Yard Case H3		3						13
North West Yard Case H4		2						11
North West Yard Case H6		3						4
North West Yard Case H7		2	2					5
North West Yard Case H8		2						4
North West Yard Case H9		2						10
North West Yard Case H10		2						5
North West Yard Case H11		3						14
North West Yard Case H12		3						13
North West Yard Case H13		3						12
North West Yard Case H14		3	1					7
North West Yard Case H15		3						8
North West Yard Case H16		3						14
North West Yard Case H17		2						4
North West Yard Case H18		2						8
Rogers TCR	1	14				2		134
West Coldspring TCR						1		36
Portal TCR		8				1		61
Mondawmin TCR						1		34
Penn North TCR						1		29
Upton TCR						1		27
State Center TCR		4				1		44
Lexington Market TCR						1		24
Charles Center TCR		4				1		50
Shot Tower TCR						1		5
John Hopkins TCR	4	4						62
Reisterstown Plaza TCR		12			2			112
Milford Mill TCR		3				2		65
Old Court TCR		4				1		75
McDonough Rd TCR						1		22
Owings Mills TCR		10				2		89
TOTAL CABLE COUNT	12	105	3	1	13	23	9	1154

Mainline Traction Power Cable Matrix Summary of Positive and Negative Feeders

TPSS #	Location and TPSS/APSS	Feeder Breaker 1	Feeder Breaker 2	Feeder Breaker 3	Feeder Breaker 4	Tie Switch 11*	Tie Switch 22*	R1 Neg. Return	R2 Neg. Return
R13	John Hopkins Station/TPSS	4	4	4	4	8	8	4	4
R14	Shot Tower Station/APSS	0	0	0	0	0	0	0	0
R15	Charles Center Station/TPSS	4	4	4	4	8	8	4	4
R16	Lexington Market Station/APSS	0	0	0	0	0	0	0	0
R17	State Center Station/TPSS	4	4	4	4	8	8	4	4
R18	Upton Station/TPSS	4	4	4	4	8	8	4	4
R19	Penn North Avenue Station/TPSS	4	4	4	4	8	8	4	4
R20	Mondawmin Station/TPSS	4	4	4	4	8	8	4	4
	Portal Motor Operated DC Switches					8	8		
R21	West Coldspring Station/TPSS	4	4	4	4	8	8	4	4
R22	Rogers Avenue Station/TPSS	4	4	4	4	8	8	4	4
R23	Reisterstown Plaza Station/TPSS	4	4	4	4	8	8	4	4
R24	Milford Mill Station/TPSS	4	4	4	4	8	8	4	4
R25	Old Court Road Station/TPSS	4	4	4	4	8	8	4	4
R26	McDonough intermediate TPSS	4	4	4	4	8	8	4	4
	MDS Neg. Ret. Tie-Sw. (R1&R2) **							4	4
R27	Owings Mills Station/TPSS	4	4	4	4	8	8	4	4
	Total No. of 1000 Kcmil Cables	52	52	52	52	112	112	56	56

Notes:

1. * - Tie DC Manual disconnect Switches are located inside traction power substations
2. **- denotes additional DC equipment (MDS Tie Switch for DC negative return) in McDonough Substation
3. Feeder Breakers 1-4 and Tie Switches 11 & 22 terminated on contact rail section
4. R1 negative returns connected to impedance bonds on track 1. R2 negative returns connected to impedance bonds on track 2

Traction Power Cable Matrix Overall Summary of Cables

TPSS #	Location and TPSS/APSS	Pos. Feeder 1000 Kcmil	Neg. Feeder 1000 Kcmil	Indication 22C #14	Indication 20C #14	Indication 15C #14	Indication 14C #14	Indication 13C #14	Indication 12C #14	Indication 9C #14	Indication 8C #14
R13	John Hopkins Station/TPSS	32	8	0	0	0	0	0	10	7	0
R14	Shot Tower Station/APSS	0	0	0	0	0	0	0	0	0	0
R15	Charles Center Station/TPSS	32	8	0	0	0	0	0	10	7	0
R16	Lexington Market Station/APSS	0	0	0	0	0	0	0	0	0	0
R17	State Center Station/TPSS	32	8	0	0	0	0	0	10	7	0
R18	Upton Station/TPSS	32	8	0	0	0	0	0	10	5	0
R19	Penn North Avenue Station/TPSS	32	8	0	0	0	0	0	10	5	0
R20	Mondawmin Station/TPSS	32	8	0	0	0	0	0	10	7	0
R21	West Coldspring Station/TPSS	32	8	0	0	0	0	0	10	7	0
R22	Rogers Avenue Station/TPSS	32	8	0	0	0	0	0	10	5	0
R22A	Wabash Yard TPSS	48	42	0	0	0	0	0	13	7	0
R23	Reisterstown Plaza Station/TPSS	32	8	0	0	0	0	0	10	7	0
R24	Milford Mill Station/TPSS	32	8	1	3	0	1	1	1	4	1
R25	Old Court Road Station/TPSS	32	8	1	3	0	1	1	1	3	1
R26	McDonough intermediate TPSS	32	16	1	3	0	1	1	1	0	1
R27	Owings Mills Station/TPSS	32	8	1	3	0	1	1	1	7	1
	Portal Motor Operated DC Switches	16	0	0	0	0	0	0	0	0	0
	Total No. of Cables	480	154	4	12	0	4	4	107	78	4

Traction Power Cable Matrix Overall Summary of Cables

TPSS #	Location and TPSS/APSS	Indication 7C #14	Indication 5C #14	Indication 4C #14	Indication 3C #14	Indication 1C #12				Substation's Total Cable QTY
R13	John Hopkins Station/TPSS	6	1	0	17	8				89
R14	Shot Tower Station/APSS	0	0	0	0	0				0
R15	Charles Center Station/TPSS	6	1	0	17	8				89
R16	Lexington Market Station/APSS	0	0	0	0	0				0
R17	State Center Station/TPSS	6	1	0	17	8				89
R18	Upton Station/TPSS	6	1	0	17	8				87
R19	Penn North Avenue Station/TPSS	6	1	0	17	8				87
R20	Mondawmin Station/TPSS	6	1	0	17	8				89
R21	West Coldspring Station/TPSS	6	1	0	17	8				89
R22	Rogers Avenue Station/TPSS	6	1	0	17	8				87
R22A	Wabash Yard TPSS	11	1	0	19	0				141
R23	Reisterstown Plaza Station/TPSS	6	1	0	17	8				89
R24	Milford Mill Station/TPSS	1	17	3	12	0				85
R25	Old Court Road Station/TPSS	1	17	3	12	0				84
R26	McDonough intermediate TPSS	1	17	3	12	0				89
R27	Owings Mills Station/TPSS	1	17	3	12	0				88
	Portal Motor Operated DC Switches									16
	Total No. of Cables	69	78	12	220	72				1298

R13 John Hopkins Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
1201S	1201S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1201A TK 1
	1201S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1201A TK 1
	1201S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1201A TK 1
	1201S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1201A TK 1
1202S	1202S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1202A TK 2
	1202S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1202A TK 2
	1202S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1202A TK 2
	1202S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1202A TK 2
MDS Tie-Switch	1201S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1201A TK 1
JH11 (NO)	1201S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1201A TK 1
	1201S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1201A TK 1
	1201S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1201A TK 1
	1301N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1301D TK 1
	1301N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1301D TK 1
	1301N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1301D TK 1
	1301N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1301D TK 1
1302N	1302N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1302D TK2
	1302N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1302D TK2
	1302N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1302D TK2
	1302N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1302D TK2
1301N	1301N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1301D TK1
	1301N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1301D TK1
	1301N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1301D TK1
	1301N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1301D TK1
MDS Tie-Switch	1202S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1202A TK 2
JH22 (NO)	1202S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1202A TK 2
	1202S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1202A TK 2
	1202S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1202A TK 2
	1302N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1302D TK 2
	1302N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1302D TK 2
	1302N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1302D TK 2
	1302N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1302D TK 2

R13 John Hopkins Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	13N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	13N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	13N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	13N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	13N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	13N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	13N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	13N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R15 Charles Center Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
1401N	1401-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1401A TK 1
	1401-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1401A TK 1
	1401-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1401A TK 1
	1401-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1401A TK 1
1402N	1402-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1402A TK 2
	1402-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1402A TK 2
	1402-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1402A TK 2
	1402-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1402A TK 2
MDS Tie-Switch	1401N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1401A TK 1
CC11 (NO)	1401N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1401A TK 1
	1401N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1401A TK 1
	1401N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1401A TK 1
	1501S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
1501S	1501-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
1502S	1502-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
MDS Tie-Switch	1402N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1402A TK 2
CC22 (NO)	1402N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1402A TK 2
	1402N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1402A TK 2
	1402N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1402A TK 2
	1502S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2

R15 Charles Center Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	15N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	15N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	15N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	15N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	15N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	15N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	15N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	15N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R17 State Center Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
1501N	1501-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
1502N	1502-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
MDS Tie-Switch	1501N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
SC11 (NO)	1501N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1501N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1501A TK 1
	1701S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
1701S	1701-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
1702S	1702-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
MDS Tie-Switch	1502N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
SC22 (NO)	1502N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1502N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1502A TK 2
	1702S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2

R17 State Center Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	17TN1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	17TN1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	17TN1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	17TN1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	17TN2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	17TN2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	17TN2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	17TN2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R18 Upton Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
1701N	1701-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
1702N	1702-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
MDS Tie-Switch	1701N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
UP11 (NO)	1701N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1701N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1701A TK 1
	1801S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
1801S	1801-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
1802S	1802-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
MDS Tie-Switch	1702N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
UP22 (NO)	1702N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1702N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1702A TK 2
	1802S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2

R18 Upton Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	18N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	18N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	18N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	18N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	18N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	18N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	18N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	18N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R19 Penn North Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
1801N	1801-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
1802N	1802-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
MDS Tie-Switch	1801N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
PN11 (NO)	1801N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1801N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1801A TK 1
	1901S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
1901S	1901-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
1902S	1902-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
MDS Tie-Switch	1802N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
PN22 (NO)	1802N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1802N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1802A TK 2
	1902S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2

R19 Penn North Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	19N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	19N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	19N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	19N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	19N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	19N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	19N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	19N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R20 Mondawmin Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
1901N	1901-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
1902N	1902-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
MDS Tie-Switch	1901N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
MO11 (NO)	1901N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	1901N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1901A TK 1
	2001S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001A TK 1
	2001S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001A TK 1
	2001S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001A TK 1
	2001S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001A TK 1
2001S	2001-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001A TK 1
	2001-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001A TK 1
	2001-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001A TK 1
	2001-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001A TK 1
2002S	2002-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002A TK 2
	2002-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002A TK 2
	2002-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002A TK 2
	2002-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002A TK 2
MDS Tie-Switch	1902N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
MO22 (NO)	1902N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	1902N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 1902A TK 2
	2002S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002A TK 2
	2002S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002A TK 2
	2002S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002A TK 2
	2002S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002A TK 2

R20 Mondawmin Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	2001-N1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	2001-N2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	2001-N3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	2001-N4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	2002-N1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	2002-N2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	2002-N3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	2002-N4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

Portal Motor Operated DC Disconnect Switches Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
MOS -201	20C17	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2001C TK 1
	20C18	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2001C TK 1
	20C19	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2001C TK 1
	20C20	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2001C TK 1
	20C21	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2001D TK 1
	20C22	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2001D TK 1
	20C23	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2001D TK 1
	20C24	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2001D TK 1
MOS -202	20C33	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2002C TK 2
	20C34	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2002C TK 2
	20C35	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2002C TK 2
	20C36	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2002C TK 2
	20C37	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2002D TK 2
	20C38	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2002D TK 2
	20C39	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2002D TK 2
	20C40	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contract Rail Section 2002D TK 2

R21 West Coldspring Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
2001N	2001-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001F TK 1
	2001-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001F TK 1
	2001-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001F TK 1
	2001-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001F TK 1
2002N	2002-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002F TK 2
	2002-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002F TK 2
	2002-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002F TK 2
	2002-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002F TK 2
MDS Tie-Switch	2001N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001F TK 1
CS11 (NO)	2001N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001F TK 1
	2001N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001F TK 1
	2001N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2001F TK 1
	2101S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101A TK 1
	2101S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101A TK 1
	2101S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101A TK 1
	2101S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101A TK 1
2101S	2101-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101A TK 1
	2101-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101A TK 1
	2101-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101A TK 1
	2101-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101A TK 1
2102S	2102-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102A TK 2
	2102-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102A TK 2
	2102-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102A TK 2
	2102-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102A TK 2
MDS Tie-Switch	2002N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002F TK 2
CS22 (NO)	2002N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002F TK 2
	2002N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002F TK 2
	2002N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002F TK 2
	2102S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102A TK 2
	2102S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102A TK 2
	2102S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102A TK 2
	2102S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102A TK 2

R21 West Coldspring Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	21N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	21N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	21N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	21N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	21N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	21N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	21N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	21N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R22 Rogers Avenue Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
2101N	2101-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201C TK 1
	2101-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201C TK 1
	2101-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201C TK 1
	2101-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201C TK 1
2102N	2102-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002B TK 2
	2102-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002B TK 2
	2102-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002B TK 2
	2102-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2002B TK 2
MDS Tie-Switch	2101N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101C TK 1
RA11 (NO)	2101N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101C TK 1
	2101N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101C TK 1
	2101N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101C TK 1
	2201S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201A TK 1
	2201S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201A TK 1
	2201S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201A TK 1
	2201S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201A TK 1
2201S	2201-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201A TK 1
	2201-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201A TK 1
	2201-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201A TK 1
	2201-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201A TK 1
2202S	2202-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202A TK 2
	2202-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202A TK 2
	2202-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202A TK 2
	2202-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202A TK 2
MDS Tie-Switch	2102N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102B TK 2
RA22 (NO)	2102N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102B TK 2
	2102N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102B TK 2
	2102N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2102B TK 2
	2202S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202A TK 2
	2202S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202A TK 2
	2202S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202A TK 2
	2202S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202A TK 2

R22 Rogers Avenue Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	22N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	22N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	22N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	22N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	22N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	22N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	22N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	22N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R23 Reisterstown Plaza Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
2201N	2201-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201F TK 1
	2201-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201F TK 1
	2201-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201F TK 1
	2201-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2201F TK 1
2202N	2202-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202F TK 2
	2202-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202F TK 2
	2202-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202F TK 2
	2002-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202F TK 2
MDS Tie-Switch	2201N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101G TK1
RP11 (NO)	2201N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101G TK1
	2201N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101G TK1
	2201N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2101G TK1
	2301S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301A TK 1
	2301S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301A TK 1
	2301S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301A TK 1
	2301S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301A TK 1
2301S	2301-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301A TK 1
	2301-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301A TK 1
	2301-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301A TK 1
	2301-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301A TK 1
2302S	2302-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302A TK 2
	2302-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302A TK 2
	2302-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302A TK 2
	2302-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302A TK 2
MDS Tie-Switch	2202N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202F TK 2
RP22 (NO)	2202N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202F TK 2
	2202N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202F TK 2
	2202N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2202F TK 2
	2302S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302A TK 2
	2302S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302A TK 2
	2302S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302A TK 2
	2302S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302A TK 2

R23 Reisterstown Plaza Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	23N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	23N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	23N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	23N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	23N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	23N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	23N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	23N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R24 Millford Mill Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
2301N	2301-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301J TK 1
	2301-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301J TK 1
	2301-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301J TK 1
	2301-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301J TK 1
2302N	2302-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302J TK 2
	2302-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302J TK 2
	2302-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302J TK 2
	2302-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302J TK 2
MDS Tie-Switch	2301N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301J TK 1
24TS11 (NO)	2301N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301J TK 1
	2301N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301J TK 1
	2301N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2301J TK 1
	2401S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401A TK 1
	2401S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401A TK 1
	2401S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401A TK 1
	2401S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401A TK 1
2401S	2401-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401A TK 1
	2401-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401A TK 1
	2401-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401A TK 1
	2401-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401A TK 1
2402S	2402-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402A TK 2
	2402-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402A TK 2
	2402-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402A TK 2
	2402-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402A TK 2
MDS Tie-Switch	2302N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302I TK 2
24TS22 (NO)	2302N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302I TK 2
	2302N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302I TK 2
	2302N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2302I TK 2
	2402S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402A TK 2
	2402S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402A TK 2
	2402S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402A TK 2
	2402S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402A TK 2

R24 Millford Mill Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	24N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	24N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	24N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	24N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	24N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	24N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	24N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	24N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R25 Old Court Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
2401N	2401-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401I TK 1
	2401-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401I TK 1
	2401-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401I TK 1
	2401-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401I TK 1
2402N	2402-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402I TK 2
	2402-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402I TK 2
	2402-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402I TK 2
	2402-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402I TK 2
MDS Tie-Switch	2401N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401I TK 1
25TS11 (NO)	2401N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401I TK 1
	2401N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401I TK 1
	2401N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2401I TK 1
	2501S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501A TK 1
	2501S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501A TK 1
	2501S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501A TK 1
	2501S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501A TK 1
2501S	2501-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501 TK 1
	2501-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501 TK 1
	2501-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501 TK 1
	2501-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501 TK 1
2502S	2502-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502 TK 2
	2502-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502 TK 2
	2502-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502 TK 2
	2502-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502 TK 2
MDS Tie-Switch	2402N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402I TK 2
25TS22 (NO)	2402N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402I TK 2
	2402N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402I TK 2
	2402N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2402I TK 2
	2502S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502A TK 2
	2502S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502A TK 2
	2502S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502A TK 2
	2502S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502A TK 2

R25 Old Court Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	25N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	25N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	25N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	25N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	25N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	25N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	25N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	25N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R26 McDonough Substation Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
2501N	2501-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501H TK 1
	2501-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501H TK 1
	2501-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501H TK 1
	2501-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501H TK 1
2502N	2502-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502H TK 2
	2502-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502H TK 2
	2502-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502H TK 2
	2502-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502H TK 2
MDS Tie-Switch	2501N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501I TK 1
26TS11 (NO)	2501N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501I TK 1
	2501N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501I TK 1
	2501N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2501I TK 1
	2601S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601A TK 1
	2601S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601A TK 1
	2601S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601A TK 1
	2601S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601A TK 1
2601S	2601-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601A TK 1
	2601-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601A TK 1
	2601-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601A TK 1
	2601-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601A TK 1
2602S	2602-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602A TK 2
	2602-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602A TK 2
	2602-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602A TK 2
	2602-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602A TK 2
MDS Tie-Switch	2502N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502I TK 2
26TS22 (NO)	2502N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502I TK 2
	2502N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502I TK 2
	2502N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2502I TK 2
	2602S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602A TK 2
	2602S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602A TK 2
	2602S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602A TK 2
	2602S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602A TK 2

R26 McDonough Substation Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	26N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	26N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	26N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	26N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	26N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	26N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	26N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	26N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
MDS Tie-Sw. R1-26TS00	26N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	26N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	26N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	26N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
MDS Tie-Sw. R2-26TS00	26N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	26N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	26N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	26N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

R27 Owings Mills Station/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
2601N	2601-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 1
	2601-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 1
	2601-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 1
	2601-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 1
2602N	2602-5	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602I TK 2
	2602-6	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602I TK 2
	2602-7	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602I TK 2
	2602-8	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2602I TK 2
MDS Tie-Switch	2601N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 2
27TS11 (NO)	2601N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 2
	2601N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 2
	2601N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 2
	2701S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2701A TK 2
	2701S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2701A TK 2
	2701S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2701A TK 2
	2701S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2701A TK 2
2701S	2701-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2701A TK 1
	2701-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2701A TK 1
	2701-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2701A TK 1
	2701-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2701A TK 1
2702S	2702-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2702A TK 2
	2702-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2702A TK 2
	2702-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2702A TK 2
	2702-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2702A TK 2
MDS Tie-Switch	2602N-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 2
27TS22 (NO)	2602N-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 2
	2602N-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 2
	2602N-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2601I TK 2
	2702S-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2702A TK 2
	2702S-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2702A TK 2
	2702S-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2702A TK 2
	2702S-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Contract Rail Section 2702A TK 2

R27 Owings Mills Station/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier #1	27N1-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	27N1-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	27N1-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
	27N1-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 1
Rectifier #2	27N2-1	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	27N2-2	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	27N2-3	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2
	27N2-4	1	1C	1000 KCM	EPR	2000	Cable Tray & Embedded Conduit	Impedance Bond Located on TK 2

Wabash Avenue Yard/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
YF1	YF1-1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC3
	YF1-2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC3
YF2	YF2-1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC2
	YF2-2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC2
YF3	YF3-1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC2
	YF3-2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC2
YF4	YF4-1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC3
	YF4-2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC3
YF5	YF5-1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF1A on TK #15
	YF5-2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF1A on TK #15
YF6	YF6-1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC4
	YF6-2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC4
YF7	YF7-1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC1
	YF7-2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Disconnect Switch Cab. 22A-DSC1
Dis. Sw. Cab. 22A-DSC1	22A89	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2G on TK #7 Tie 1
	22A90	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2G on TK #7 Tie 1
	22A95	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF7A on TK #11N
	22A96	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF7A on TK #11N
	22A97	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF7B on TK #12N
	22A98	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF7B on TK #12N
	22A103	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF7E on TK #13N
	22A104	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF7E on TK #13N
	22A111	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF7I on TK #14N
	22A112	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF7I on TK #14N
Dis. Sw. Cab. 22A-DSC2	22A63	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2A on TK #5
	22A64	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2A on TK #5
	22A73	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2D on TK #6
	22A74	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2D on TK #6
	22A87	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2G on TK #7
	22A88	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2G on TK #7
Dis. Sw. Cab. 22A-DSC3	22A1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF1A on TK #11
	22A2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF1A on TK #11

Wabash Avenue Yard/TPSS Cable Schedule - Traction Power Positive Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Dis. Sw. Cab. 22A-DSC3	22A21	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF1G on TK #2
	22A22	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF1G on TK #2
	22A39	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF4A on TK #3
	22A40	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF4A on TK #3
	22A53	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2A on TK #4
	22A54	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF2A on TK #4
Dis. Sw. Cab. 22A-DSC4	22A125	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF6A on TK #11S
	22A126	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF6A on TK #11S
	22A129	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF6C on TK #12S
	22A130	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF6C on TK #12S
	22A131	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF6L on TK #13S
	22A132	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF6L on TK #13S
	22A139	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF6H on TK #14S
	22A140	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF6H on TK #14S
	22A159	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF4A on TK #4 Tie TK#6
	22A160	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Contact Rail Section YF4A on TK #4 Tie TK#6

Wabash Avenue Yard/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Rectifier R1 Negative	22A-N1	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N2	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N3	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N4	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N5	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N6	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N7	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N8	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N9	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N10	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N11	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
	22A-N12	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Negative Equalizing Buss cab. 22A-NEB1
Negative Equalizing Buss cab. 22A-NEB1	22A-TN5	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN6	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN7	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN8	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN9	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN10	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN11	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN12	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN13	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN14	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN15	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN16	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #3 R/R
	22A-TN17	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #11N R/R
	22A-TN18	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #11N R/R
	22A-TN19	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #12N R/R
	22A-TN20	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #12N R/R
	22A-TN21	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #13N R/R
	22A-TN22	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #13N R/R
	22A-TN23	1	1C	1000 KCM	EPR	2000	Embedded Conduit	Yard Storage track #14N R/R

Wabash Avenue Yard/TPSS Cable Schedule - Traction Power Negative Return Feeders

DC Switchgear Breaker #	Designation	Quantity	Construction	Size	Insulation	Rating (kv)	Routing VIA	To
Negative Equalizing Buss cab. 22A-NEB1	22A-TN24	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #14N R/R
	22A-TN25	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #11S R/R
	22A-TN26	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #11S R/R
	22A-TN27	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #12S R/R
	22A-TN28	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #12S R/R
	22A-TN29	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #13S R/R
	22A-TN30	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #13S R/R
	22A-TN31	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #14S R/R
	22A-TN32	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #14S R/R
	22A-TN31	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #XX R/R
	22A-TN32	1	1C	1000 KCM	EPR	2	Embedded Conduit	Yard Storage track #XX R/R

R13 John Hopkins Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R13 John Hopkins Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R15 Charles Center Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R15 Charles Center Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R17 State Center Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R17 State Center Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R18 Upton Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	0	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R18 Upton Station/TPSS Indication Cable Schedule

equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R19 Penn North Avenue Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	0	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R19 Penn North Avenue Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R20 Mondawmin Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R20 Mondawmin Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R21 West Coldspring Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R21 West Coldspring Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R22 Rogers Avenue Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	0	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R22 Rogers Avenue Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R22A Wabash Yard Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 5	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 6	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 7	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R22A Wabash Yard Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 5	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 6	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 7	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R23 Reisterstown Plaza Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	2	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BATTERY CHARGER	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	8	1C	12 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	2	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R23 Reisterstown Plaza Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
FEEDER 3	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 4	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R24 Milford Mill Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	2	4C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	4C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	1	8C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Battery Charger	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L1	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	13C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	14C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 3	1	22C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R24 Milford Mill Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
SUS 4	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	4	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R25 Old Court Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	2	4C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	4C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	1	8C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Battery Charger	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L1	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	13C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	14C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 3	1	22C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R25 Old Court Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
SUS 4	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	3	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R26 McDonough Intermediate/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	2	4C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	4C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	1	8C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Battery Charger	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L1	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	13C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	14C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 3	1	22C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R26 McDonough Intermediate/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
SUS 4	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R27 Owings Mills Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
L1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BB	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
H2	2	4C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
ST2	1	4C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R1	1	8C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
R2	1	7C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF1	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
BF2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 2	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 3	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
FEEDER 4	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 3	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
SUS 5	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
Battery Charger	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	Annunciator Panel
L1	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
L2	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BB	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H1	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
H2	2	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	12C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF1	1	3C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	13C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
BF2	1	14C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 1	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 2	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 3	1	22C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
FEEDER 4	1	20C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 3	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX

R27 Owings Mills Station/TPSS Indication Cable Schedule

Equipment	Quantity	Cable Size	Size	Insulation Type	Rating (volts)	Routing VIA	To
SUS 4	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
SUS 5	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
Annunciator Panel	1	5C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX
MOS 1	7	9C	14 AWG	EPR	600	Cable Tray & EXP Conduit	IFJ BOX