

GENERAL

1. ALL MATERIALS AND CONSTRUCTION SHALL CONFORM TO THE STATE OF VERMONT AGENCY OF TRANSPORTATION STANDARD SPECIFICATIONS FOR CONSTRUCTION, DATED 2011 AND ITS LATEST REVISIONS.
2. PRIOR TO SUBMITTING A BID FOR THIS PROJECT, CONTRACTORS ARE ENCOURAGED TO FAMILIARIZE THEMSELVES WITH THE CURRENT SITE CONDITIONS AND ACCESSIBILITY.
3. EXISTING DIMENSIONS AND STATIONING SHOWN IN THE PLANS WERE DEVELOPED FROM LIMITED FIELD SURVEY AND ORIGINAL DESIGN PLANS AND ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD CHECKING ALL DIMENSIONS APPLICABLE TO THIS WORK.
4. IN ACCORDANCE WITH SUBSECTION 107.12 THE CONTRACTOR SHALL TAKE CARE NOT TO DAMAGE THE EXISTING PAVEMENT, SUBBASE, SHOULDER MATERIAL, GUARDRAIL, FENCING, PIPES, DROP INLETS, SIGNS, SIGN POSTS, CONCRETE SIGN FOUNDATIONS AND HEADWALLS. IF DAMAGED, THE CONTRACTOR, AT NO ADDITIONAL COMPENSATION, SHALL REPAIR THE DAMAGED ITEMS TO THE SATISFACTION OF THE ENGINEER.
5. THE CONTRACTOR SHALL REMOVE, STOCKPILE, AND REINSTALL SIGNS, MILE MARKER POSTS, AND DELINEATORS LOCATED WHERE REQUIRED WORK MAY CAUSE DAMAGE TO THEM.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF BURIED CABLE THROUGH DIG SAFE AND ITEM 204.22 TRENCH EXCAVATION OF EARTH, EXPLORATORY (N.A.B.I.) PRIOR TO THE START OF LEDGE REMOVAL OPERATIONS.
7. GUARDRAIL MAY BE REMOVED AND RESET AS NEEDED AND AS APPROVED BY THE ENGINEER. PAYMENT WILL BE MADE UNDER CONTRACT ITEM 900.645 SPECIAL PROVISION (TEMPORARY ROADWAY WIDENING)(WORK ZONE A).
8. ALL EQUIPMENT SHALL BE MOVED OUTSIDE OF THE CLEAR ZONE OR PROTECTED BY APPROVED BARRIERS DURING NON-WORKING HOURS.
9. THE CONTRACTOR SHALL ADEQUATELY MAINTAIN THE EXISTING DITCH LINE TO ENSURE PROPER DRAINAGE DURING CONSTRUCTION ACTIVITIES AND UPON COMPLETION OF THE WORK, AS DIRECTED BY AND TO THE SATISFACTION OF THE ENGINEER.

LEDGE REMOVAL

1. LEDGE REMOVAL SHALL CONSIST OF THE REMOVAL OF LOOSE ROCK FROM THE LEDGE CUT USING THE FOLLOWING CONTRACT ITEMS:

203.16 SOLID ROCK EXCAVATION CY
900.608 SPECIAL PROVISION (REMOVAL OF LEDGE SALVAGE MATERIAL) CY
900.608 SPECIAL PROVISION (REMOVAL OF LEDGE WASTE MATERIAL) CY
900.608 SPECIAL PROVISION (TRIM BLASTING, TRUCK MEASUREMENT) CY
900.630 SPECIAL PROVISION (HAND SCALING) HR
900.630 SPECIAL PROVISION (MACHINE SCALING) HR
2. LIMITS OF LEDGE REMOVAL INVOLVING HAND SCALING, MACHINE SCALING AND SOLID ROCK EXCAVATION, INCLUDES THE ENTIRE FACE OF LEDGE AS NEEDED OR AS DETERMINED BY THE ENGINEER OR GEOLOGIST. THE CONTRACTOR SHALL PERFORM ANY ADDITIONAL WORK WITHIN THE PROJECT LIMITS AT THE UNIT PRICES PROVIDED IN THE CONTRACT UNDER THE FOLLOWING ITEMS: 203.16 SOLID ROCK EXCAVATION, 900.630 SPECIAL PROVISION (HAND SCALING) AND 900.630 SPECIAL PROVISION (MACHINE SCALING).
3. APPROXIMATE LIMITS OF LEDGE REMOVAL METHODS ARE:

VERMONT ROUTE 30: STA 214+10 RT TO STA 221+00 RT; SOLID ROCK EXCAVATION
STA 214+10 RT TO STA 221+00 RT; HAND SCALING
STA 214+10 RT TO STA 221+00 RT; MACHINE SCALING
STA 214+00 RT TO STA 221+00 RT; TRIM BLASTING

STA 223+44 RT TO STA 225+35 RT; HAND SCALING
STA 223+44 RT TO STA 225+35 RT; MACHINE SCALING

ROCK DOWELING LOCATIONS SHALL BE DETERMINED BY THE VTRANS GEOLOGIST ON AN AS NEEDED BASIS. WORK SHALL BE PAID FOR UNDER ITEM 900.640 SPECIAL PROVISION (ROCK DOWELING) AND ITEM 900.645 SPECIAL PROVISION (ROCK DOWEL TESTING).

ROCK DRAIN LOCATIONS SHALL BE DETERMINED BY THE VTRANS GEOLOGIST ON AN AS NEEDED BASIS. WORK SHALL BE PAID FOR UNDER ITEM 900.640 SPECIAL PROVISION (ROCK DRAIN).

TRIM BLASTING LOCATIONS SHALL BE DETERMINED BY THE VTRANS GEOLOGIST ON AN AS NEEDED BASIS. WORK SHALL BE PAID FOR UNDER ITEM 900.608 SPECIAL PROVISION (TRIM BLASTING, TRUCK MEASUREMENT).
4. LIMITS OF THE TOE OF LEDGE SHALL BE DETERMINED BY THE ENGINEER, VTRANS GEOLOGIST AND THE CONTRACTOR BEFORE ANY WORK BEGINS. WORK SHALL BE PAID FOR UNDER ITEM 900.608 SPECIAL PROVISION (REMOVAL OF LEDGE SALVAGE MATERIAL) AND ITEM 900.608 SPECIAL PROVISION (REMOVAL OF LEDGE WASTE MATERIAL)

ALL LEDGE REMOVAL SHALL BE CONDUCTED IN ACCORDANCE WITH THE CONTRACT DOCUMENTS AND BY PERSONNEL EXPERIENCED WITH THE REMOVAL METHODS BEING USED.
5. A QUANTITY OF LEDGE MATERIAL SHALL BE SALVAGED TO THE STATE OF VERMONT. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
6. THE CONTRACTOR SHALL TAKE CARE DURING THE LEDGE REMOVAL NOT TO DAMAGE OR DISTURB EXISTING UTILITIES WITHIN THE PROJECT AREA AND IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

CLEARING AND GRUBBING

1. CLEARING SHALL CONSIST OF REMOVAL OF ALL TREES AND SHRUBS BEGINNING AT THE EDGE OF PAVEMENT INCLUDING THE DITCHLINE, FACE OF LEDGE CUT AND TO THE LIMITS OF THE EXISTING ROW BEYOND THE FINAL CREST OF LEDGE. THE FINAL CLEARING LIMITS SHALL BE DETERMINED BY THE ENGINEER AND THE VTRANS GEOLOGIST.
2. ALL VEGETATION AND SOILS SHALL BE REMOVED FROM THE FACE OF THE LEDGE. THIS WORK SHALL BE PAID UNDER ITEM 201.11 'CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS.
3. ALL VEGETATION TO BE REMOVED BETWEEN THE EDGE OF PAVEMENT AND THE TOE OF LEDGE, AND BETWEEN THE FINAL CREST OF LEDGE AND TO THE EXISTING ROW BEYOND THE FINAL CREST OF LEDGE, SHALL BE PAID UNDER ITEM 201.10 CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS.
4. ALL VEGETATION, INCLUDING REMOVED LIMBS, FOR BOTH ITEM 201.10 AND ITEM 201.11, SHALL BE CLEARED AND DISPOSED OF IN ACCORDANCE WITH SECTION 201 AND THE CONTRACT DOCUMENTS.
5. INDIVIDUAL TREES THAT ARE DEEMED, BY THE ENGINEER, TO BE AT RISK OF FALLING OUTSIDE OF THE CLEARING AND GRUBBING AREA IDENTIFIED ON THE PLANS SHALL BE REMOVED. THIS WORK SHALL BE INCIDENTAL TO ITEM 201.10 CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS.
6. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO MAINTAIN, TO THE SATISFACTION OF THE ENGINEER, A NEAT TREE LINE ALONG THE AREA TO BE CLEARED. THIS WORK SHALL BE INCIDENTAL TO ITEM 201.10 CLEARING AND GRUBBING, INCLUDING INDIVIDUAL TREES AND STUMPS.
7. AN ESTIMATED QUANTITY OF ITEM 651.35 TOPSOIL HAS BEEN ADDED IF THE ENGINEER DEEMS NECESSARY THAT RESHAPING OF THE DITCH REQUIRES MORE MATERIAL ONCE THE LEDGE HAS BEEN REMOVED.
8. AN ESTIMATED QUANTITY OF ITEM 651.25 HAY MULCH HAS BEEN ADDED IF THE ENGINEER DEEMS ITS USE IS NECESSARY.
9. THE CONTRACTOR MAY GRIND OR TREAT THE EXISTING STUMPS DESIGNATED FOR REMOVAL WITHIN CLEARING AND GRUBBING AREAS, WITH THE EXCEPTION OF THOSE ON THE ROCK FACE. THE CONTRACTOR SHALL ENSURE THAT THE STUMPS WILL NOT GROW BACK. PAYMENT WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 201.11.

PROJECT NAME: TOWNSHEND
PROJECT NUMBER: STP 015-1(22)

FILE NAME: dlib050frm.dgn
PROJECT LEADER: K. UPMAL
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PROJECT NOTES

PLOT DATE: 2/13/2015
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