



THE STATE OF NEW HAMPSHIRE
DEPARTMENT OF TRANSPORTATION



Victoria F. Sheehan
Commissioner

William Cass, P.E.
Assistant Commissioner

Bureau of Highway Design
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July 7, 2017

Mr. Jerry P. Fortier
Project Director – Transmission
Northern Pass Transmission, LLC
PO Box 330
780 North Commercial Street
Manchester, NH 03105-0330

Dear Mr. Fortier:

The Department has reviewed the following Request for Exceptions to the NHDOT Utility Accommodation Manual (UAM) listed in the following table. The table also notes the decision of each request. The Notice of Decision is attached for each request.

Exception Request No:	Decision
3 (Rev 3)	Rejected and Resubmit to Address Comments
4 (Rev 3)	Approved with Conditions
5 (Rev 3)	Approved with Conditions
6 (Rev 2)	Rejected and Resubmit to Address Comments
9 (Rev 2)	Rejected and Resubmit to Address Comments
11a (Rev 2)	Rejected and Resubmit to Address Comments
11b (Rev 2)	Rejected and Resubmit to Address Comments
12	Rejected and Resubmit to Address Comments
13	Rejected and Resubmit to Address Comments
15	Rejected and Resubmit to Address Comments
16	Rejected and Resubmit to Address Comments
17	Approved with Conditions
18	Rejected and Resubmit to Address Comments
20	Rejected and Resubmit to Address Comments
22 (Rev 1)	Rejected and Resubmit to Address Comments
23 (Rev 1)	Rejected and Resubmit to Address Comments
31 (Rev 1)	Approved with Conditions
34	Approved with Conditions
36	Approved with Conditions
37	Approved with Conditions

If you have any questions regarding these decisions, please do not hesitate to contact me.

Sincerely,



Melodie A. Esterberg, P.E.
Chief of Design Services

MAE/me

CC: D. Rodrigue, A. Hanscom, P. Beaulieu

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NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	3 (Rev 3)
Section:	WBR3
Town:	Plymouth
Highway:	US 3
Station:	2667+60 to 2678+59 +/-
Drawing No.:	WBR302-01, WBR302-02, WBR302-03; WBR3 C240 to WBR3 C241
Exception Type:	HDD Pits with Pavement & HDD Alignment Passing Under Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concern.

1. Exit pits located at approximate station 2678+59 must be relocated to avoid existing drainage structures between approximate stations 2676+75 to 2679+50. It appears that the splice vault located at 2681+00 could be relocated southerly to approximately 2684+00. The exit pits could then be located southerly of the culvert located at 2682+60 +/- . This avoids conflict with the drainage, driveways and be less of an impact to the abutters.


Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	4 (Rev 3)
Section:	WBR3
Town:	Plymouth
Highway:	US 3
Station:	2619+00 to 2658+00 +/-
Drawing No.:	WBR3 C230 to C234
Exception Type:	Alignment in Pavement Road Crossings Crossing over Existing Drainage

This exception to the UAM is hereby **approved with the following conditions.**

1. Cable trench allowed within pavement at station 2631+40 +/-, from station 2634+25 to station 2640+00, and station 2643+00 to station 2658+00.
2. Applicant shall evaluate dry laid stone retaining wall and submit plans to ensure construction activities will not adversely impact the retaining wall.
3. Facility constructed over the existing drainage structure shall be encased in a reinforced concrete duct bank for a minimum of one hundred thirty (130) feet centered over the culvert.
4. Plans for retaining wall and reinforced concrete duct bank shall be designed by a Professional Engineer Licensed in the State of New Hampshire.
5. Design documents to be submitted for review and approval by the Department.
6. If differing site conditions are encountered during construction, the Department reserves the right to require a modification to the alignment or these conditions.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	5 (Rev 3)
Section:	WBR3
Town:	Plymouth
Highway:	US 3
Station:	2590+50 to 2611+50 +/-
Drawing No.:	WBR3 C231 to C233
Exception Type:	Alignment in Pavement Splice Enclosure in Pavement

This exception to the UAM is hereby **approved with following conditions.**

1. Temporary widening plans must be submitted for review and approval by the Department.
2. If differing site conditions are encountered during construction, the Department reserves the right to require a modification to the alignment or these conditions.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	6 (Rev 2)
Section:	WBR3
Town:	Plymouth
Highway:	US 3
Station:	2581+07 to 2587+85+/-
Drawing No.:	WBR3051-01, WBR3051-02; WBR3 C229 to WBR3 C230
Exception Type:	HDD Pits with Pavement & HDD Alignment Passing Under Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concern.

1. Exit pits located at approximate station 2587+50 must be relocated to avoid existing drainage at approximate station 2587+30. The minimum separation distance between the top of the facility and the existing drainage shall not be less than two (2) feet.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	9 (Rev 2)
Section:	WBR3
Town:	Plymouth
Highway:	US 3
Station:	2492+70 to 2499+71+/-
Drawing No.:	WBR3 C215 to C216
Exception Type:	Alignment in Pavement Splice Enclosure in Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. There is sufficient space to move the facility and splice enclosure easterly out of the pavement between stations 2497+00 and 2499+71 and still be within the right-of-way.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	11A (Rev 2)
Section:	WBR3
Town:	Plymouth
Highway:	US 3
Station:	2512+59 to 2522+60
Drawing No.:	WBR3050-01 TO WBR3050-3 and WBR3 C217 to C220
Exception Type:	HDD Pits with Pavement HDD Alignment Passing Under Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Existing NHDOT Right-of-Way (ROW) is still not correctly shown on the plans.
2. HDD entry pits at 2512+60 +/- could be moved easterly within the ROW and be located out of the pavement. It is possible that HDD exit pits at 2522+60 +/- could be moved easterly.
3. Plymouth Village Water & Sewer District (PVWSD) improvements should be coordinated with NPT construction. PVWSD will be replacing water and sewer in Foster Street and vicinity during the summer of 2017. PVWSD also has plans to replace facilities within the US 3 over the next few years.
4. Bridge structures including deck, abutments and piers should be shown on the plans in order to evaluate potential impact.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	11B Rev 2
Section:	WBR3
Town:	Plymouth
Highway:	US 3
Station:	2512+59 to 2522+60
Drawing No.:	WBR3049-01 TO WBR3049-3 and WBR3 C214 to C217
Exception Type:	HDD Pits with Pavement & HDD Alignment Passing Under Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Existing NHDOT Right-of-Way (ROW) and ownership is not correctly shown on the plans.
2. HDD entry pits at 2511+65 +/- and HDD exit pits at 2499+70+/- could be moved easterly within the ROW and be located out of the pavement.
3. Bridge structures including deck, abutments and piers should be shown on the plans in order to evaluate potential impact.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	12
Section:	WBR3
Town:	Plymouth
Highway:	US 3
Station:	2467+75 to 2474+25
Drawing No.:	WBR3 C212 to C213
Exception Type:	Alignment in Pavement Crossing over Existing Drainage Structure

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Existing NHDOT Right-of-Way (ROW) and ownership is not correctly shown on the plans.
2. Bridge structures including deck, abutments and piers should be shown on the plans in order to evaluate potential impact.
3. Profile shows facility going over existing drainage that is not referenced in the exception request.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	13
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2423+00 to 2438+50
Drawing No.:	WBR3 C211 to C213
Exception Type:	Alignment in Pavement Splice Enclosure in Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Splice enclosure at 2431+00 is located directly across from an existing driveway and the plan shows only ten (10) feet available for traffic.
2. It appears that the splice enclosure could be relocated between station 2422+00 and 2423+00 and an additional splice enclosure could be constructed at 2439+00 +/- . Both locations are out of the pavement.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 2/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	15
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2418+50 +/-
Drawing No.:	WBR3 C210
Exception Type:	Crossing Over Existing Drainage Structure

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Existing NHDOT Right-of-Way (ROW) does not appear to be correctly shown on the plans. Existing property markers are shown both within the ROW and outside of the ROW. ROW does not seem to reflect the plans included in the survey report.
2. Plan and cross sections do not reflect the revised alignment off of the pavement. Has the westerly side of the ROW been considered to minimize impacts to existing driveways?



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

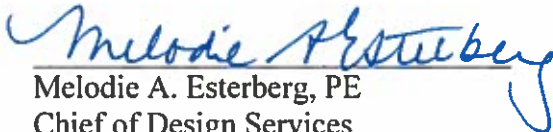
NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	16
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2404+00 to 2405+75
Drawing No.:	WBR3 C209
Exception Type:	Alignment in Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Recommend moving alignment to westerly side of US 3 to minimize residential impacts and minimize impacts to existing driveways.
2. Plan and cross sections do not reflect the revised alignment off of the pavement.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	17
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2391+50 to 2398+25
Drawing No.:	WBR3 C207 to C208
Exception Type:	Alignment in Pavement

This exception to the UAM is hereby **approved with following condition.**

1. If differing site conditions are encountered during construction, the Department reserves the right to require modification to the alignment.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	18
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2373+55 to 2384+52
Drawing No.:	WBR3048-01 TO WBR3048-3 and WBR3 C205 to C206
Exception Type:	HDD Pits with Pavement HDD Alignment Passing Under Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Existing NHDOT Right-of-Way (ROW) appears from the survey report to be the lowest level of accuracy – GIS/tax map quality.
2. Bridge structures including deck, abutments and piers should be shown on the plans in order to evaluate potential impact.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	20
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2358+59 to 2365+54; 5365+54 to 2368+00
Drawing No.:	WBR3047-01 to WBR3047-3 and WBR3 C198 to C200
Exception Type:	HDD Pits with Pavement HDD Alignment Passing Under Pavement Alignment in Pavement

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Appears from the ROW plans that there is sufficient ROW to move the facility east to minimize impacts to the pavement.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	22 (Rev 1)
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2327+00 to 2329+10
Drawing No.:	WBR3 C200
Exception Type:	Alignment in Pavement Crossing Over Existing Drainage Structure

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Based upon the 8.5 feet of cover over the existing drainage, there does not appear to be adequate space to maintain two (2) feet of cover over the existing drainage.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	23 (Rev 1)
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2261+60 to 2320+00
Drawing No.:	WBR3 C188 to C195
Exception Type:	Alignment in Pavement Splice Enclosures in Pavement Crossing Over Existing Drainage Structures

This exception to the UAM is hereby **rejected and must be resubmitted** to address the following concerns.

1. Consider moving facility to the west side of the highway. This will move the facility further away from the river and there are more sections without guardrail.
2. Proposed splice vault at 2282+00 could be relocated outside the pavement at approximately 2274+00 or 2284+50.
3. Proposed splice vault located at 2300+00 between the I-93 bridges could be relocated outside of the pavement at approximately station 2296+50.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017


NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	31 (Rev 1)
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2243+75 to 2253+50
Drawing No.:	WBR3 C186 & C187
Exception Type:	Alignment in Pavement Crossing over Existing Drainage Structure

This exception to the UAM is hereby approved with following conditions.

1. Facility constructed over the existing drainage structure located at 2244+75+/- shall be encased in a reinforced concrete duct bank for a minimum of one hundred (100) feet centered over the culvert.
2. Facility constructed over the existing drainage structure located at 2248+75+/- shall be encased in a reinforced concrete duct bank for a minimum of one hundred thirty (130) feet centered over the culvert.
3. Reinforced concrete duct bank shall be designed by a Professional Engineer Licensed in the State of New Hampshire.
4. Design documents to be submitted for review and approval by the Department.
5. If differing site conditions are encountered during construction, the Department reserves the right to require a modification to the alignment or these conditions.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 2/7/2017

NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	34
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2207+00 to 2218+00
Drawing No.:	WBR3 C185 to C187
Exception Type:	Two Highway Crossings Alignment in Pavement Crossing over Existing Drainage Structure

This exception to the UAM is hereby **approved with following conditions.**

1. Cable trench allowed within pavement from station 2200+00 to station 2203+00, from station 2207+00 to station 2210+50, from station 2213+75+/- to station 2214+50+/- and from station 2217+50 to station 2218+00
2. Facility constructed over the existing drainage structure located at 2211+75+/- shall be encased in a reinforced concrete duct bank for a minimum of one hundred (100) feet centered over the culvert.
3. Reinforced concrete duct bank shall be designed by a Professional Engineer Licensed in the State of New Hampshire.
4. Design documents to be submitted for review and approval by the Department.
5. If differing site conditions are encountered during construction, the Department reserves the right to require a modification to the alignment or these conditions.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

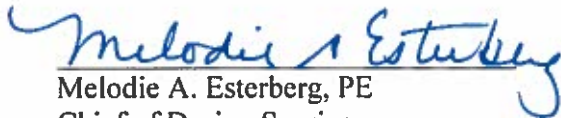
NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	36
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2201+84 to 2203+00+/-
Drawing No.:	WBR3 C181
Exception Type:	Alignment in Pavement

This exception to the UAM is hereby **approved with following conditions.**

1. Cable trench allowed within pavement from station 2201+84 to station 2203+00+/-.
2. If differing site conditions are encountered during construction, the Department reserves the right to require a modification to the alignment or these conditions.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017

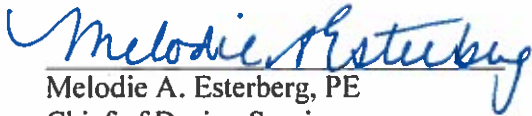
NOTICE OF DECISION

The Department has reviewed the following Request for Exception to the NHDOT Utility Accommodation Manual (UAM):

Exception Request No:	37
Section:	WBR3
Town:	Campton
Highway:	US 3
Station:	2197+00 to 2199+00+/-
Drawing No.:	WBR3 C184
Exception Type:	Alignment in Pavement Crossing over Existing Drainage Structure

This exception to the UAM is hereby **approved with following conditions.**

1. Cable trench allowed within pavement from station 2197+00 to station 2199+00+/-.
2. Facility constructed over the existing drainage structure located at 2197+50+/- shall be encased in a reinforced concrete duct bank for a minimum of one hundred (100) feet centered over the culvert.
3. If differing site conditions are encountered during construction, the Department reserves the right to require a modification to the alignment or these conditions.



Melodie A. Esterberg, PE
Chief of Design Services
Highway Design Bureau

Date: 7/7/2017