Project Name: State-Beech Active Transportation and Infrastructure Project

WIN: N/A

PROJECT DATA

Roadway Segment: 1 (State Rd: Pine Ave to Old Rd)

Town(s):	Eliot	Project Scope:		
Route(s):	State Rd	New Construction/Reconstruction		
WIN:	N/A	Rehabilitation		
Federal/State Project No.:	N/A	Preservation		
	T			
Project Location:	Beginning on State Road 0.18 of a mile west of Old Road and extending east to			
	Old Road. Beginning again 0.30 of a mile west of Beech Road and extending east			
	1.31 miles to Bolt Hill Road. Beginning on Beech Road at State Road and			
	extending north 0.97 of a mile to Route 236.			
	1			
Corridor Priority (1-5):	4	Urban/Rural Nature:		
Design Life:	20	🗆 Rural		
20XX AADT (Current):	2257	🗆 Urban		
20XX AADT (Design):		☑ Low Speed Urban		

Design Element	Reference	Required Standard	Proposed Typical Section
		(List range when appropriate)	(Team input may be required)
Design Speed	EI C3	Posted Speed(30mph)	
Lane Width	EI C1	10'-12	10'
Shoulder Width	EI C1	3'-4'	6′ (1)
Cross Slope (Travelway)	EI C4	2.0% (Desirable)	Match Existing (2)
Minimum Radius	EI C7	250'	
Superelevation (Emax)	EI C6	4.0%	Match Existing (2)
Stopping Sight Distance	EI C8	200′	
Maximum Grade (%)	EI C5	10%	
Vertical Clearance	EI C9	15′	
Clear Zone	EI C2	10′	
Side Slopes	Design Guidance	4:1 or 3:1	4:1

- 1. 6' shoulders to provide a minimum combined lane and shoulder width of 16' per MaineDOT Engineering Instruction C1. 6' is greater than the 5' recommended minimum bicycle lane width per *Guide for the Development of Bicycle Facilities 2012 Fourth Edition*.
- 2. Proposed project typical section is for reconstruction of the roadway shoulders only. Travelway pavement treatment, cross slope, and superelevation improvements will be coordinated with MaineDOT prior to a planned pavement preservation project scheduled for 2024.

Project Name: State-Beech Active Transportation and Infrastructure Project

WIN: N/A

PROJECT DATA

Roadway Segment: 2 (State Rd: Grange Hall to Old Rd)

Town(s):	Eliot	Project Scope:		
Route(s):	State Road	New Construction/Reconstruction		
WIN:	N/A	Rehabilitation		
Federal/State Project No.:	N/A	Preservation		
Project Location:	Beginning on State Road 0.18 of a mile west of Old Road and extending east to			
	Old Road. Beginning again 0.30 of a mile west of Beech Road and extending east			
	1.31 miles to Bolt Hill Road. Beginning on Beech Road at State Road and			
	extending north 0.97 of a mile to Route 236.			
Corridor Priority (1-5):	4	Urban/Rural Nature:		
Design Life:	20	🗆 Rural		
20XX AADT (Current):	2213	🗆 Urban		
20XX AADT (Design):		☑ Low Speed Urban		

Design Element	Reference	Required Standard	Proposed Typical Section
		(List range when appropriate)	(Team input may be required)
Design Speed	EI C3	Posted Speed (30 mph)	
Lane Width	EI C1	10'-12	10'
Shoulder Width	EI C1	3'-4'	6′ (1)
Cross Slope (Travelway)	EI C4	2.0% (Desirable)	Match Existing (2)
Minimum Radius	EI C7	250'	
Superelevation (Emax)	EI C6	4.0%	Match Existing (2)
Stopping Sight Distance	EI C8	200′	
Maximum Grade (%)	EI C5	10%	
Vertical Clearance	EI C9	15′	
Clear Zone	EI C2	10′	
Side Slopes	Design Guidance	4:1 or 3:1	4:1

- 1. 6' shoulders to provide a minimum combined lane and shoulder width of 16' per MaineDOT Engineering Instruction C1. 6' is greater than the 5' recommended minimum bicycle lane width per *Guide for the Development of Bicycle Facilities 2012 Fourth Edition*.
- 2. Proposed project typical section is for reconstruction of the roadway shoulders only. Travelway pavement treatment, cross slope, and superelevation improvements will be coordinated with MaineDOT prior to a planned pavement preservation project scheduled for 2024.

Project Name: State-Beech Active Transportation and Infrastructure Project

WIN: N/A

PROJECT DATA Roadway Segment: 3 (State Rd: Old Rd to Moses Gerrish Farmer Rd)

Town(s):	Eliot	Project Scope:		
Route(s):	State Rd	New Construction/Reconstruction		
WIN:	N/A	Rehabilitation		
Federal/State Project No.:	N/A	Preservation		
Project Location:	Beginning on State Road 0.18 of a mile west of Old Road and extending east to			
	Old Road. Beginning again 0.30 of a mile west of Beech Road and extending east			
	1.31 miles to Bolt Hill Road. Beginning on Beech Road at State Road and			
	extending north 0.97 of a mile to Route 236.			
Corridor Priority (1-5):	4	Urban/Rural Nature:		
Design Life:	20			
20XX AADT (Current):	3390	🗆 Urban		
20XX AADT (Design):		☑ Low Speed Urban		

DESIGN CRITERIA

Design Element	Reference	Required Standard	Proposed Typical Section
		(List range when appropriate)	(Team input may be required)
Design Speed	EI C3	Posted Speed (30 mph)	
Lane Width	EI C1	10'-12	10' (2)
Shoulder Width	EI C1	3'-4'	5' (2)
Cross Slope (Travelway)	EI C4	2.0% (Desirable)	2% (3)
Minimum Radius	EI C7	250'	
Superelevation (Emax)	EI C6	4.0%	6% (3)
Stopping Sight Distance	EI C8	200'	
Maximum Grade (%)	EI C5	10%	
Vertical Clearance	EI C9	15′	
Clear Zone	EI C2	10'	
Side Slopes	Design Guidance	4:1 or 3:1	4:1

<u>COMMENTS</u> – Provide any comments necessary to clarify information presented above.

1. Proposed work for this segment will be limited to striping and ADA landing improvements

Project Name: State-Beech Active Transportation and Infrastructure Project

WIN: N/A

- 2. Existing as built section: 11' travelway, 4' shoulders. Proposed striped 10' travelways to provide 5' shoulders which will be striped as a bike lane. 5' is the recommended bicycle lane width per *Guide for the Development of Bicycle Facilities 2012 Fourth Edition*.
- 3. Existing as built section cross slopes: 2% travelway, 4% shoulders, and superelevation max of 6%

Project Name: State-Beech Active Transportation and Infrastructure Project

WIN: N/A

PROJECT DATA Roadway Segment: 4 (State Rd: Moses Gerrish Farmer Rd to Bolt Hill Rd)

Town(s):	Eliot	Project Scope:		
Route(s):	State Road	New Construction/Reconstruction		
WIN:	N/A	Rehabilitation		
Federal/State Project No.:	N/A	Preservation		
Project Location:	Beginning on State Road 0.18 of a mile west of Old Road and extending east to Old Road. Beginning again 0.30 of a mile west of Beech Road and extending east 1.31 miles to Bolt Hill Road. Beginning on Beech Road at State Road and extending north 0.97 of a mile to Route 236.			
Corridor Priority (1-5):	3	Urban/Rural Nature:		
Design Life:	20			
20XX AADT (Current):	2914	🗆 Urban		
20XX AADT (Design):		☑ Low Speed Urban		

Design Element	Reference	Required Standard	Proposed Typical Section
		(List range when appropriate)	(Team input may be required)
Design Speed	EI C3	Posted Speed(30mph)	
Lane Width	EI C1	10'-12	10'
Shoulder Width	EI C1	3'-4'	6′ (1)
Cross Slope (Travelway)	EI C4	2.0% (Desirable)	Match Existing (2)
Minimum Radius	EI C7	250'	
Superelevation (Emax)	EI C6	4.0%	Match Existing (2)
Stopping Sight Distance	EI C8	200′	
Maximum Grade (%)	EI C5	10%	
Vertical Clearance	EI C9	15'	
Clear Zone	EI C2	10'	
Side Slopes	Design Guidance	4:1 or 3:1	4:1

- 1. 6' shoulders to provide a minimum combined lane and shoulder width of 16' per MaineDOT Engineering Instruction C1. 6' is greater than the 5' recommended minimum bicycle lane width per *Guide for the Development of Bicycle Facilities 2012 Fourth Edition*.
- 2. Proposed project typical section is for reconstruction of the roadway shoulders only. Travelway pavement treatment, cross slope, and superelevation improvements will be coordinated with MaineDOT prior to a planned pavement preservation project scheduled for 2024.

Project Name: State-Beech Active Transportation and Infrastructure Project

WIN: N/A

PROJECT DATA

Roadway Segment: 5 (Beech Rd: State Rd to Route 236)

Town(s):	Eliot	Project Scope:		
Route(s):	Beech Street	New Construction/Reconstruction		
WIN:	N/A	Rehabilitation		
Federal/State Project No.:	N/A	Preservation		
Project Location:	Beginning on State Road 0.18 of a mile west of Old Road and extending east to Old Road. Beginning again 0.30 of a mile west of Beech Road and extending east 1.31 miles to Bolt Hill Road. Beginning on Beech Road at State Road and extending north 0.97 of a mile to Route 236.			
Corridor Priority (1-5):	4	Urban/Rural Nature:		
Design Life:	20			
20XX AADT (Current):	2715	🗆 Urban		
20XX AADT (Design):		☑ Low Speed Urban		

Design Element	Reference	Required Standard	Proposed Typical Section
		(List range when appropriate)	(Team input may be required)
Design Speed	EI C3	Posted Speed (30 mph)	
Lane Width	EI C1	10'-12	10'
Shoulder Width	EI C1	3'-4'	6' (1)
Cross Slope (Travelway)	EI C4	2.0% (Desirable)	Match Existing (2)
Minimum Radius	EI C7	250′	
Superelevation (Emax)	EI C6	4.0%	Match Existing (2)
Stopping Sight Distance	EI C8	200′	
Maximum Grade (%)	EI C5	10%	
Vertical Clearance	EI C9	15'	
Clear Zone	EI C2	10'	
Side Slopes	Design Guidance	4:1 or 3:1	4:1

- 1. 6' shoulders to provide a minimum combined lane and shoulder width of 16' per MaineDOT Engineering Instruction C1. 6' is greater than the 5' recommended minimum bicycle lane width per *Guide for the Development of Bicycle Facilities 2012 Fourth Edition*.
- 2. Proposed project typical section is for reconstruction of the roadway shoulders only. Travelway pavement treatment, cross slope, and superelevation improvements will be coordinated with MaineDOT prior to a planned pavement preservation project scheduled for 2024.