

Road Plan Committee Meeting Notice

**The Road Plan Committee will hold a Meeting on Tuesday, October 28th, 2014
At the Public Safety Building Ross Room 7:00pm.**

First Order of Business: Call meeting to order

Second Order of Business: Approval of minutes ----- **5 minutes**

Third Order of Business: Review the first draft of the Road Plan ----- **45 minutes**

- A. *New language about gravel, gravel roads, Chandler's Cove Rd***
- B. *Recommended steps to address the need for gravel***
- C. *Costs filled out in the recommendations***
- D. *New Figure in the document***
- E. *Changes to the cost table (Roy Hill & Littlefield)***

Fourth Order of Business: Approve the plan and presentation and... ----- **5 minutes**

- A. send to Road commissioner for approval and request he forward to the Board of Selectmen for**
- B. our presentation at their meeting on Nov 12th.**

Fifth Order of Business: Next meeting date ----- **15 minutes**

Sixth Order of Business Other Business ----- **5 minutes**

Seventh Order of Business: Adjourn Meeting ----- **5 minutes**

ROAD PLAN

2014



CHEBEAGUE ISLAND
MAINE

1. Introduction

The road plan is updated annually by the town of Chebeague Island Road Committee with the aid of the Road Surface Management System (RSMS). RSMS is software created by the Maine Local Roads Center (MLRC) of the Maine Department of Transportation (MDOT). The goal of the plan is to slowly bring the quality of our road network up to a point where the entire network can be put into a regular, cost effective maintenance program. The Road Plan presents the findings of the committee looking out 10 years and evaluating all of the approximately 10 miles of paved roads on the island.

2. Elements of a Road Plan

a. Repair Strategies

The committee completed a road section condition survey by driving the entire road network and completing survey forms. The results were entered into the RSMS which categorizes each section of surveyed road and provides possible repair/maintenance options for each type. A cost for each maintenance option is based on the length, width and RSMS category. The Committee determined the option to recommend and applied an '*island factor*' of %30 to the RSMS cost.

b. Road Status

RSMS places each road segment in one of the following categories:

- Routine
- Preventative
- Rehabilitate
- Reconstruct

One of the goals of the plan is to have all 10 miles of paving in the Routine or Preventative categories (the most cost-effective to maintain) . To accomplish this goal the plan has to improve the worst roads without letting better roads slip into Rehabilitate or Reconstruct.

c. Priorities

Each road section is also characterized in terms of the traffic load and the importance of the road section. The guiding principles used in setting priorities are:

1. Public Safety
2. Optimal return on dollar investment (timing and preparation)
3. Proximity to public services (importance and use)

d. Budget

An important purpose of this report is to give the Selectmen and Capital Plan Committee a target funding level for the next annual Town Meeting. All 10 years are estimated.

To develop the maintenance program for the 2015-2016 fiscal year the road sections were prioritized based on long-term goals, current road status and immediate priorities.

A repair option is selected for the road sections that fall out at the top of the priority list. The committee's philosophy was to select 'middle-of-road' cost options. An "Island Factor" is applied to the RSMS estimates which are mainland based.

Similar options are grouped together to provide sufficient mileage to minimize contractor mobilization costs. These are compared to the projected level of reserve funds in the capital budget and a 2-3 year schedule is created.

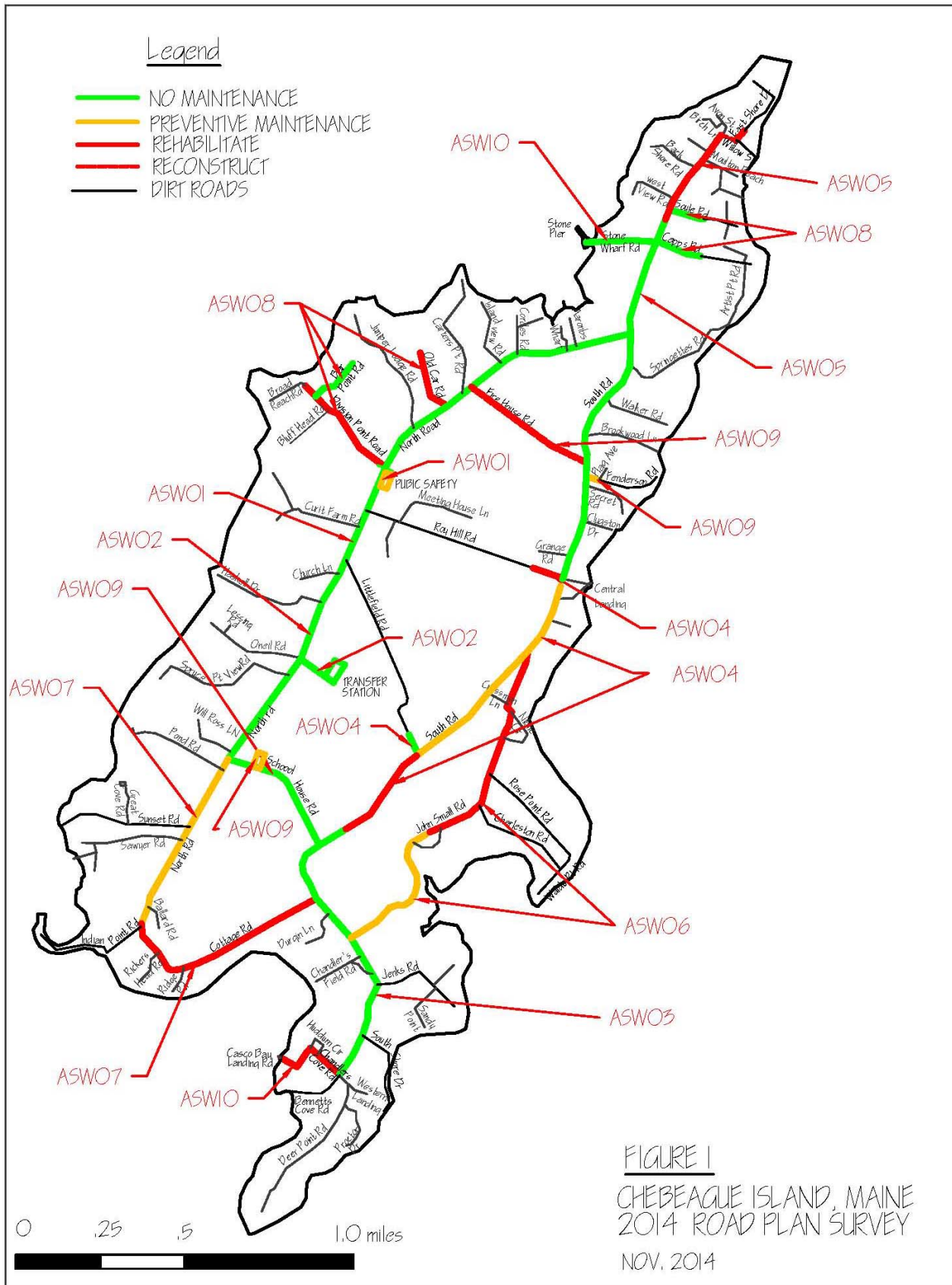
The Public Works department performs culvert replacement, ditching, patching and grading as part of its operating budget and they are not included in the 2010 road plan recommendations. Public Works will also be involved in preparing roads for the work recommended in this document.

e. Annual Surface Work Groups (ASW)

The committee continues to work on the belief that Town can raise funds in a single year to maintain or repair about one mile of paved road surface. Given the inventory of about 10 miles of paved road surface the committee has developed 10 segments of approximately 1 mile each and labeled them ASW01 - ASW10. The numeric portion does not reflect a priority or expected order it is simply a label.

To identify these work groups in RSMS each road segment name is prefixed with the ASW number. For example ASW07 is made up of the Cottage Road and the end of North Road (they meet approximately at the Indian Point Road). They are given the names "ASW07 Cottage Road" and "ASW07 North Road 03". The "03" indicates that it is third section of North Road subdivided because of its length.

See Figure 1 for a map of the work groups used in this plan and surveyed status for each segment. Note that with the completion of ASW06 and ASW04 main roads between the Stone Wharf and Chandler's Wharf will all be a condition to accept regular maintenance in the next iteration of the 10-year plan.



3. Financial Status

Part of the RPC's duties are to recommend financing options for the plan. To that end each year the RPC requests the current estimated balance of the undesignated fund balance and the balance of the paving reserve account (9050) from the treasurer.

On 10/27/2014 the treasurer estimated the fund balance at approximately \$228,500 which is only slightly higher than the minimum 8% of operations allowed by Selectmen's policy. The paving reserve has a balance of approximately \$175,616.

4. Recommendations to the Board of Selectmen:

a. Capital Repair Projects for Calendar year 2015

The RPC recommends that the following road sections be paved in calendar year 2015. Exact schedule may be dependent on a number of factors including

- i. ASW06: John Small Road – The Town received a proposal from All States Asphalt, Inc. on 7/31/2014 for \$172,500 to lay ¾" of shim and 2" of Cold Mix Overlay for the entire length of John Small Road. An earlier estimate that included a portion of reclamation was approximately \$201,000.
- ii. ASW04: South Road – RSMS 'middle-of-road' options total \$123,565.

b. Chandler's Cove Road

In 2014 this committee recommended that a portion of South road, Chandlers Cove Road and Casco Bay Landing Road be reclaimed and resurfaced. A question arose about the location of part of the road to Casco Bay Landing and the Board of Selectmen voted to delay the project and use the material and funds to continue eastward on South Road. The Committee has included Chandlers Cove Road and Casco Bay Landing Road in this recommendation based on its understanding of the Board of Selectmen wishes and not through the process described in this document. No funding is included for this project and should be add by the Selectmen when they determine what they will do.

c. Gravel Roads

Maintenance of gravel roads should be performed by the Public Works Dept. on an "as needed basis". Following the implementation of the 10-year plan, gravel roads should be revisited for improvement including but not limited to paving.

d. Gravel Supply

Good quality gravel is important to building proper roadbeds. As the road nears the bottom of the priority list some of the worst roads are in need of significant repair and they are in some cases they in bad shape because of the roadbeds are inadequate. The best example of this is Firehouse Road. Future plans are also likely to require more gravel address the 3 miles of gravel roads maintained by the Town. In the recommendations section of this document the RPC requests that the Board of Selectmen direct the RPC to initiate the following steps to address this future need.

1	Estimated the quantity of gravel required for the 10-year (including gravel roads).	RPC
2	Inventory Town Owned land and estimate the quantity of gravel available for road work. Include extraction plan.	Consultant
3	Compare costs of off-island and on-island gravel	RPC
4	Develop a plan to obtain an adequate supply of gravel for the foreseeable future.	RPC

e. Financing

The committee continues to recommend raising all funds required to implement this plan annually through taxes.

1. Plan to allocate \$175,000 each year for the paving capital account (9050) to implement this plan.
2. Continue to raise funds in the operating budget to perform the pre-paving work of replacing culverts and the post-paving work of dressing the road shoulder of all newly paved roadways.
3. Supplement revenue raised through taxes each year with a transfer from the undesignated fund balance to the extent it can be done under the current fund balance policy.

f. 2015-2016 Maintenance, Budget and Administrative Recommendations

1. Request Town Meeting transfer \$0 from the undesignated fund balance to the paving capital account (9050),
2. Request Town Meeting to authorize the Selectmen to raise \$175,000 in fiscal year 2015-2016 from the paving capital account (9050) and authorize spending up to \$325,000 (This includes ASW04, ASW06 plus about a % 10 contingency,
3. Direct the RPC to initiate the process of developing a plan to acquire gravel for future road work.
4. Direct the Town Administrator to solicit bids, secure contracts and make any other preparations to accomplish the work described in this plan,
5. Maintain the RSMS software and purchase upgrades as needed,
6. Publish the plan in advance of the budget process

5. RSMS Road Network Financial Plan

The table below is the result of this year's road survey and analysis. This table was produced by modifying the output of the RSMS options report. The Committee determined that for each section it would choose a repair option in the middle of the option list (ordered by cost).

CHEABGUE ISLAND 2014 TEN-YEAR ROAD PLAN

2014

2014

ASW06	John Small 01	1 Preventive-8	South Road (West	Near Brother Ross	0.41	Shim with 1" overlay (S)	\$25,318
	John Small 02	2 Rehabilitate-8	Near Brother Ross	South Road (East)	0.54	Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$102,600
	Group Length (mi)	0.95 cost per mile:	\$175,045	ASW06:	\$127,918	30% Island Factor	Plan Estimate \$166,293

2015

ASW04	Littlefield Road	1 No Maint-2	South Road	Island Commons	0.06	Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$5,100
	Roy Hill Road	1 Rehabilitate-4	South Road	Summa	0.03	Shim with 1" overlay (S)	\$40,950
	South Road	3 Preventive-8	Littlefield Rd	Roy Hill Rd	0.63	Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface (S)	\$49,000
	South Road	2 Rehabilitate-6	South Road (1)	Littlefield Rd	0.2	Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface (S)	\$123,565
	Group Length (mi)	0.92 cost per mile:	\$134,310	ASW04:	\$95,050	30% Island Factor	Plan Estimate \$123,565

2016

ASW08	Capps Road	1 No Maint-2	South Road	Past C. Doughty	0.13	Grade shoulders (S)	\$60
	Bar Point Road	1 No Maint-2	Division Point Rd	Cul du sac	0.16	Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface (S)	\$51,450
	Soule Road	1 No Maint-2	South Road	Johnson's	0.06	Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface (S)	\$72,000
	Old Cart Road	1 Rehabilitate-2	North Road	Cul du sac	0.2	Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface (S)	\$160,563
	Division Point Road	1 Rehabilitate-2	North	Division Point	0.36	Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface (S)	\$160,563
	Group Length (mi)	0.91 cost per mile:	\$176,443	ASW08:	\$123,510	30% Island Factor	Plan Estimate \$160,563

2017

ASW07	North Road 03	3 Preventive-4	School House	Cottage Road	0.57	Shim with 1" overlay (S)	\$38,903
	Cottage Road	1 Rehabilitate-5	North Road	South Road	0.6	Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$108,000
	Group Length (mi)	1.17 cost per mile:	\$163,225	ASW07:	\$146,903	30% Island Factor	Plan Estimate \$190,973

2018

ASW05	South Road	4 No Maint-10	Roy Hill Rd	Inn	1.15	18" new 9.5mm gravel, 2" binder, 1" surface (S)	\$78,750
	South Road	5 Reconstruct-4	Inn	East Shore Rd	0.35	Reclaim incl 6-8" base, stabilized, 2" binder, 1.5" surface (S)	\$102,375
	Group Length (mi)	1.50 cost per mile:	\$68,250	ASW05:	\$78,750	30% Island Factor	Plan Estimate \$102,375

2019

ASW09	School House Rd	1 No Maint-9	North Road	South Road	0.42		
	Parking Lot School	Routine-7	7000 square feet		0.019		

CHEABGUE ISLAND 2014 TEN-YEAR ROAD PLAN

2019

ASW09	Firehouse Road	1 Reconstruct-6	North Road	South Road	0.37	24" new gravel, 2" binder, 2" surface (S)	\$105,450
Group Length (mi)		1.00 cost per mile:	\$137,222	ASW09:	\$105,450	30% Island Factor	Plan Estimate \$137,085

2020

ASW10	Stone Wharf Road	1 No Maint-10	South Road	Stone Wharf	0.18		
	Stone Wharf	1 Routine-10	Stone Wharf Road	Easterly Extent	0.131	Crack seal (S)	\$1,965
	Caso Bay Landing	1 Rehabilitate-7	Chandler's Cove R	State Wharf	0.05	Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$9,500
	Chandler Cove Road	1 Rehabilitate-7	South Road	Caso Bay Landg Rd.	0.18	Reclaim incl 6-8" base, 2" binder, 1.5" surface (S)	\$34,200
Group Length (mi)		0.54 cost per mile:	\$109,731	ASW10:	\$45,665	30% Island Factor	Plan Estimate \$59,365

2021

ASW01	Parking Public Safety Bldg	1 No Maint-6	North Road	Public Safety Bid	0.082		
	North Road 01	1 No Maint-9	South Road (East)	Public Safety Bid	0.87		
Group Length (mi)		0.95 cost per mile:	\$0	ASW01:	\$0	30% Island Factor	Plan Estimate \$0

2022

ASW02	North Road 02	2 No Maint-9	Public Safety Bid	School House	0.99		
	Transfer Station Road	1 No Maint-10	North Road	Transfer Sta.	0.06		
Group Length (mi)		1.05 cost per mile:	\$0	ASW02:	\$0	30% Island Factor	Plan Estimate \$0

2023

ASW03	South Road	1 No Maint-8	Chandler's Cove R	1.2 mi p school hse	1		
Group Length (mi)		1.00 cost per mile:	\$0	ASW03:	\$0	30% Island Factor	Plan Estimate \$0

Estimated cost to do the entire plan = \$940,219

Road Plan Committee Meeting Minutes October 7, 2014

The Road Plan Committee held a meeting on Tuesday, October 7th, 2014 at the Public Safety Building (Ross Room) at 7:05 pm.

Members present: Herb Maine, Doug Damon, David Campbell, Tom Calder

Members Absent: Wayne Dyer

Public Member Guest: Mark Dyer

First Order of Business: Herb Maine called meeting to order at 7:05

Second Order of Business: Minutes September 30th Meeting

Motion: Move to accept by David Campbell, Second by Tom Calder Unanimous, Motion Carried

Third Order of Business: Review the first draft of the road plan.

Herb presented the first draft of the road plan to be presented to the Selectmen and copies were distributed for review. Board reviewed draft and generally approved of format and content. Doug Damon will create a map of the island with notes to be inserted into report as a visual guide. **No other action taken**

Fourth Order of Business: Committee discussed dirt roads and feel they should be addressed at a later date. Leave Upkeep of dirt roads to Public Works for now.

Fifth Order of Business: Discuss the Process going forward.

Motion to set next meeting date October 21st to review final draft and present to Selectmen Nov 12th. Unanimous, Motion Carried

Sixth Order of Business: Other Business.....None

Seventh Order of Business: Adjourn Meeting

Move to adjourn meeting by Doug at 8:50, Second Dave, Unanimous



All States Asphalt, Inc.
 All States Materials Group®
 Maine Division

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 P.O. Box 756, Windham, ME 04062
 O: 207-894-5040 F:207-894-5182
 salesME@asmg.com

To: Town Of Chebeague Island	Contact: Eric Dyer
Address: 192 North Road Chebeague Island, ME 04017 USA	Phone: 207-846-3148
	Fax:
Project Name: Town Of Chebeague Island-Fall 2014	Bid Number:
Project Location: John Small Rd, Chebeague Island, ME	Bid Date:

Item #	Item Description	Estimated Quantity	Unit	Unit Price	Total Price
1	Cold Mix-Shim-Overlay	1,500.00	TON	\$115.00	\$172,500.00
2	Chip Seal	11,735.00	SY	\$3.50	\$41,072.50

Notes:

- Please find the attached Standard Conditions document. By signing below, buyer acknowledges and agrees that it has also read and approved Contractor's Standard Conditions, as required included parts of this contract. This contract consittutes the entire agreement between the Contractor and Buyer and may only be modified by a written amendment executed by both parties. This proposal is accepted upon receipt of Buyer's signature, and the Contract is effective as of the date of Contractor's signature tendered to Buyer. Executed by both parties as a sealed instrument.
- Prices are based upon current liquid asphalt costs, which are not guaranteed by suppliers and, therefore, subject of sudden adjustment during the term of this agreement. The base cost (index) of asphalt for this quote is \$ 622.50 per ton.
- Prices are based on 1 mobilization(s). Additional mobilizations which become necessary will be subject to a charge of \$ 5000.00 each.
- All fees, permits, and engineering will be the responsibility of the buyer unless otherwise noted above. No bonds will be supplied. Above quantities are estimates only and are subject to adjustment determined by Field Measure unless otherwise noted above.

<p>ACCEPTED:</p> <p>The above prices, specifications and conditions are satisfactory and are hereby accepted.</p> <p>Buyer: _____</p> <p>Signature: _____</p> <p>Date of Acceptance: _____</p>	<p>CONFIRMED:</p> <p>All States Asphalt-Maine</p> <p>Authorized Signature: _____</p> <p>Estimator: Rob Mowatt rmowatt@asmg.com</p>
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