

ROOF ASSESSMENT REPORT FOR



NATIONAL ROOFING PROGRAM

72 North Street Danvers, MA 01923

July 27, 2021

020CHS-087 - 99th RD-MA008



ROOF ASSESSMENT REPORT

TABLE OF CONTENTS

OVERALL MAP / SUMMARY

OD001 - USARC

Section 1

OD052 - OMS

Section 1

OD059 - USARC-2

Section 1

OD070 - Other

Section 1



OVERALL MAP



FACILITY SUMMARY TABLE

Facility Name	Section Quantity	Average Condition	Total Replacement Cost	
USARC	4,644	Red	\$127,710	
OMS	2,120	Red	\$58,300	
USARC-2	2,919	Red	\$80,273	
Other	1,931	Red	\$53,103	



Facility Overview - OD001 USARC



Northeast Elevation

Southwest Elevation

Southeast Elevation





Northwe	st Elevation	1		

Total Sections: 1
Total Sq Ft: 4644
Total Cost: \$127,710

Material	Name	Quantity	Est Install	CI	Cost
B301002 LOW SLOPE ROOF SYSTEMS	Section 1	4,644	2001	61	\$127,710
B201010 EXTERIOR JOINT SEALANT	Exterior Walls	60	1970	0	

Comments

Building is a single story construction and has EIFS cladding directly applied to CMU masonry block interior with a gravel built-up roof. The roof is in poor to fair condition and should be replaced in 3-4 years.

Exterior joint sealants are severely deteriorated and should be replaced.

Section: Section 1

Composition

Size: 4644 SF **Year:** 2001

Material Category: B301002 LOW SLOPE ROOF SYSTEMS

Component Subtype: Built-Up





Overview

Core Cut:
Gravel
5-Ply Built-up Roof
1/2" Wood Fiber Insulation
3 1/2" Polyisocyanurate Insulation
Red Rosin Paper
Felt
Wood Deck

Wood Deck at Core Cut

Overview



Inspection

Inspection Date: 7/12/2021

Inspector: Ross, Mike

Inspected Condition: Amber -



Repairs observed to existing roof system. 2 SF

Displacement of gravel likely due to wind and water erosion, inadequate top pour coat, little or no embedment of aggregate, or moved intentionally by workman. 70 SF

Exposed Felts - Typically wind displaces gravel and exposes the underlying waterproofing membrane. As the membrane is exposed to UV and the elements it quickly breaks down allowing water in the system. 70 SF



Summary

Current Estimated Condition: Fair **Remaining Service Life:** 4 years

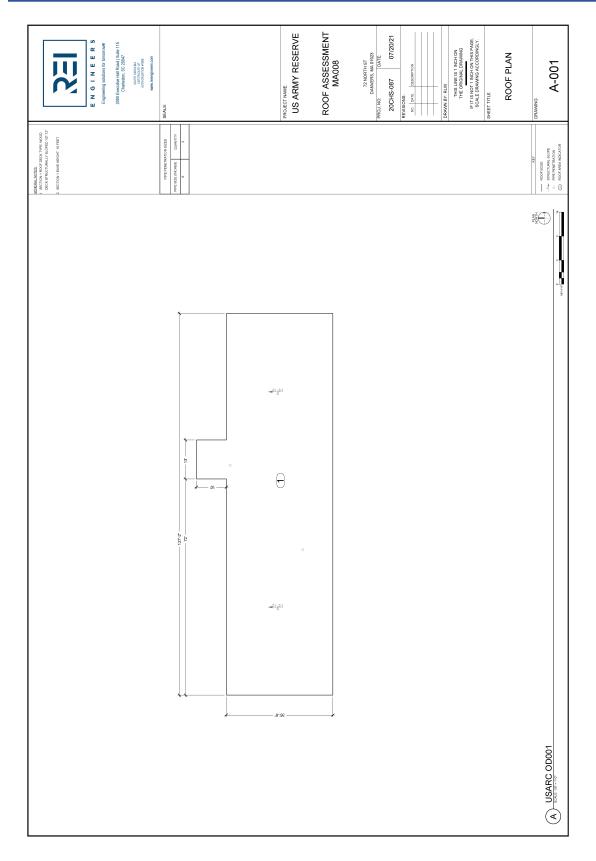
Estimated Replacement Year: 2025

Replacement Cost: \$127,710

Comment:

Gravel built-up roof is in poor to fair condition and should be replaced in 3-4 years. Deficiencies found in this report should be repaired to extend life cycle of the roof system until roof can be replaced.







Facility Overview - OD052 OMS



Southeast Elevation
Northwest/Northeast Elevations

Total Sections: 1
Total Sq Ft: 2120
Total Cost: \$58,300

Material	Name	Quantity	Est Install	CI	Cost
B301002 LOW SLOPE ROOF SYSTEMS	Section 1	2,120	2001	50	\$58,300
B201010 EXTERIOR JOINT SEALANT	Exterior Walls	50	1970	0	

Comments

Building is a single story construction and has CMU masonry block exterior walls with a gravel built-up roof. The roof is in poor to fair condition and should be replaced in 1-2 years.

Exterior joint sealants are severely deteriorated and should be replaced.

Section: Section 1



Composition

Size: 2120 SF **Year:** 2001

Material Category: B301002 LOW SLOPE ROOF SYSTEMS



Core Cut:
Gravel
5-Ply Built-up Roof
1/2" Wood Fiber Insulation
3 1/2" Polyisocyanurate Insulation
Steel Deck

Overview

Overview



Inspection

Inspection Date: 7/12/2021

Inspector: Ross, Mike

Inspected Condition: Red +



Exposed Felts - Typically wind displaces gravel and exposes the underlying waterproofing membrane. As the membrane is exposed to UV and the elements it quickly breaks down allowing water in the system. 80 SF

Displacement of gravel likely due to wind and water erosion, inadequate top pour coat, little or no embedment of aggregate, or moved intentionally by workman. 80 SF



Summary

Current Estimated Condition: Fair **Remaining Service Life:** 2 years

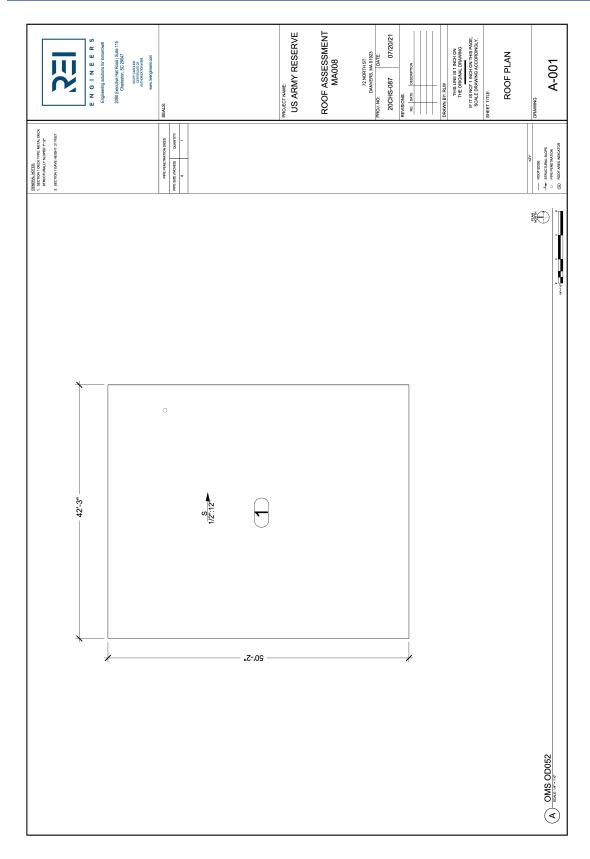
Estimated Replacement Year: 2023

Replacement Cost: \$58,300

Comment:

Gravel built-up roof is in poor to fair condition and should be replaced in 1-2 years. Deficiencies found in this report should be repaired to extend life cycle of the roof system until roof can be replaced.







Facility Overview - OD059 USARC-2



Southeast Elevation

Southwest Elevation

Northwest Elevation





Northeast Elevation

Total Sections: 1
Total Sq Ft: 2919
Total Cost: \$80,273

Material	Name	Quantity	Est Install	CI	Cost
B301002 LOW SLOPE ROOF SYSTEMS	Section 1	2,919	2001	50	\$80,273
B201010 EXTERIOR JOINT SEALANT	Exterior Walls	50	1970	0	

Comments

Building is a single story construction and has EIFS cladding directly applied to CMU masonry block interior with a gravel built-up roof. The roof is in poor to fair condition and should be replaced in 1-2 years.

No joint sealants observed at exterior walls.

Section: Section 1

Composition

Size: 2919 SF **Year:** 2001

Material Category: B301002 LOW SLOPE ROOF SYSTEMS

Component Subtype: Built-Up





Core Cut:
Gravel
5-Ply Built-up Roof
1/2" Wood Fiber Insulation
3 1/2" Polyisocyanurate Insulation
Ice and Water Shield
Wood Deck

Overview

Overview



Inspection

Inspection Date: 7/12/2021

Inspector: Ross, Mike

Inspected Condition: Red +



Repairs observed to existing roof system. 1 SF

Exposed Felts - Typically wind displaces gravel and exposes the underlying waterproofing membrane. As the membrane is exposed to UV and the elements it quickly breaks down allowing water in the system. 50 SF

Displacement of gravel likely due to wind and water erosion, inadequate top pour coat, little or no embedment of aggregate, or moved intentionally by workman. 50 SF



Summary

Current Estimated Condition: Fair **Remaining Service Life:** 2 years

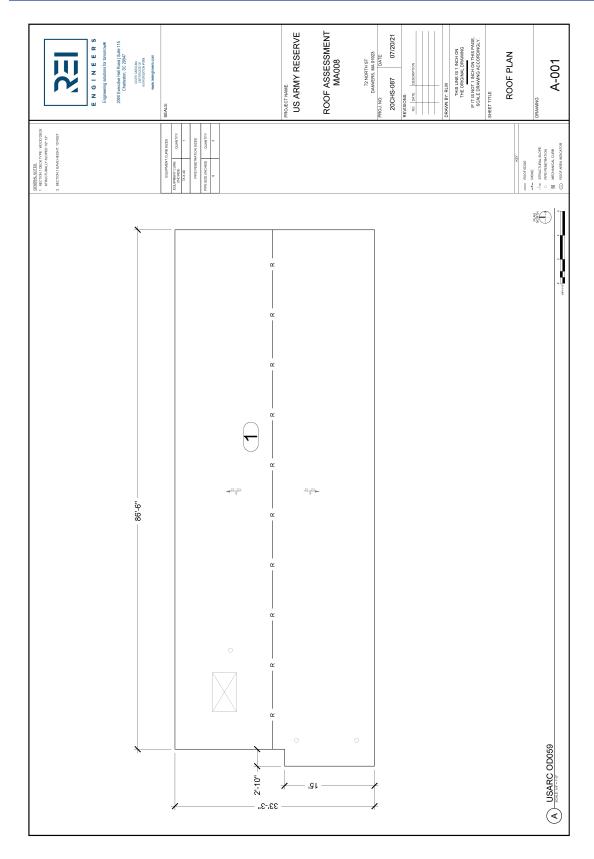
Estimated Replacement Year: 2023

Replacement Cost: \$80,273

Comment:

Gravel built-up roof is in poor to fair condition and should be replaced in 1-2 years. Deficiencies found in this report should be repaired to extend life cycle of the roof system until roof can be replaced.







Facility Overview - OD070 Other





Partial Northwest Elevation

Building C52

Southeast Elevation





Southwest Elevation

Total Sections: 1
Total Sq Ft: 1931
Total Cost: \$53,103

Material	Name	Quantity	Est Install	CI	Cost
B301002 LOW SLOPE ROOF SYSTEMS	Section 1	1,931	2001	50	\$53,103
B201010 EXTERIOR JOINT SEALANT	Exterior Walls	40	1970	0	

Comments

Building is a single story construction and has CMU masonry block exterior walls with a gravel built-up roof. The roof is in poor to fair condition and should be replaced in 1-2 years.

Exterior joint sealants are severely deteriorated and should be replaced.

Section: Section 1

Composition

Size: 1931 SF **Year:** 2001

Material Category: B301002 LOW SLOPE ROOF SYSTEMS

Component Subtype: Built-Up







Overview

Core Cut:
Gravel
5 Ply Built-up Roof
1/2" Wood Fiber Insulation
3 1/2" Polyisocyanurate Insulation
Steel Deck



Overview



Inspection

Inspection Date: 7/12/2021

Inspector: Ross, Mike

Inspected Condition: Red +



Repairs observed to existing roof system. 1 SF

Exposed Felts - Typically wind displaces gravel and exposes the underlying waterproofing membrane. As the membrane is exposed to UV and the elements it quickly breaks down allowing water in the system. 40 SF

Displacement of gravel likely due to wind and water erosion, inadequate top pour coat, little or no embedment of aggregate, or moved intentionally by workman. 40 SF



Summary

Current Estimated Condition: Fair **Remaining Service Life:** 2 years

Estimated Replacement Year: 2023

Replacement Cost: \$53,103

Comment:

Gravel built-up roof is in poor to fair condition and should be replaced in 1-2 years. Deficiencies found in this report should be repaired to extend life cycle of the roof system until roof can be replaced.



