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How to Use

CREATING AN ACCOUNT

- How To Instructions
 1. Navigate to the Create an Account Page

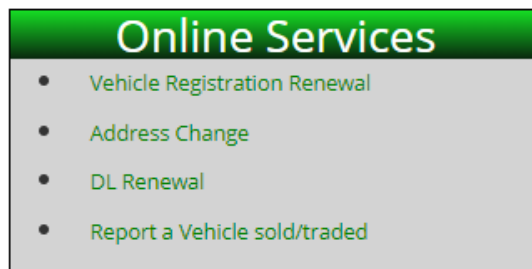
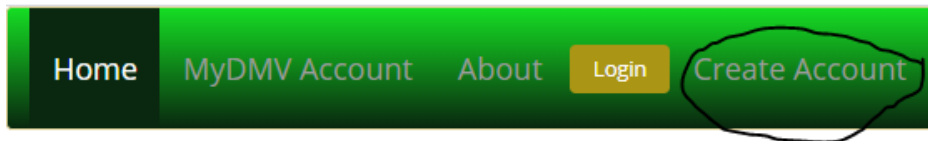


Figure 1 - Creating an Account Part 1

2. Enter information on the form and press **Submit Form**
 - Note validation errors must be corrected to submit

Create Account

Identification Info

Social Security Number

Driver License Number

XXXXXXXXXX

Date of Birth

09/08/1990

Driver License Info

First Name

CJ

Middle Name

Middle Name

Last Name

Rivers

Suffix

Suffix

Sex

M

Class

A

Eye Color

Brown

Endorsements

None

Height (Ft.)

5

Height (In.)

1

Restrictions

Issue Date

04/18/2020

Expiration Date

09/08/2028

Password

Create Password

- 8-12 characters
- At least one of the following special characters: @, #, \$, %
- At least one number
- One upper and one lower case

Verify Password

Residence Address

Street Address

1400 Dominion Ave

City

Chesapeake

State

VA

Zip

23456

Mailing Address

Street Address

1400 Dominion Ave

City

Chesapeake

State

VA

Zip

23456

Submit form

Figure 2 - Creating an Account Part 2

3. Confirm Metamask transaction and the information will be uploaded to the solidity contract called DMV. Also the login credentials will be set to the current user's driver license that they entered in the DMV contract.

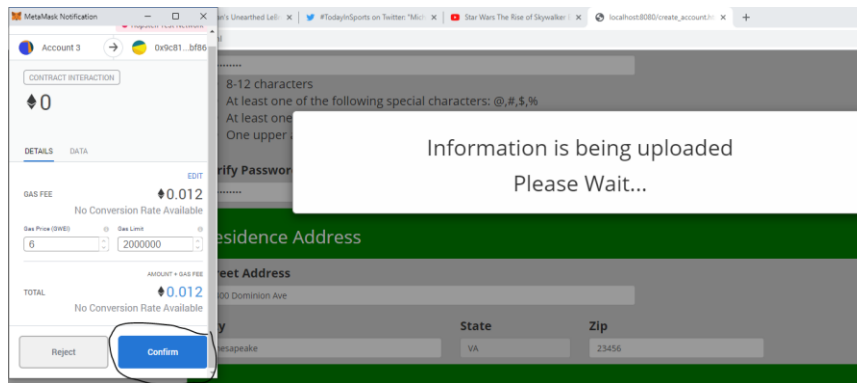


Figure 3 - Creating an Account Part 3

4. Wait for screen to say account was successfully created and the screen will be redirected back to the home page

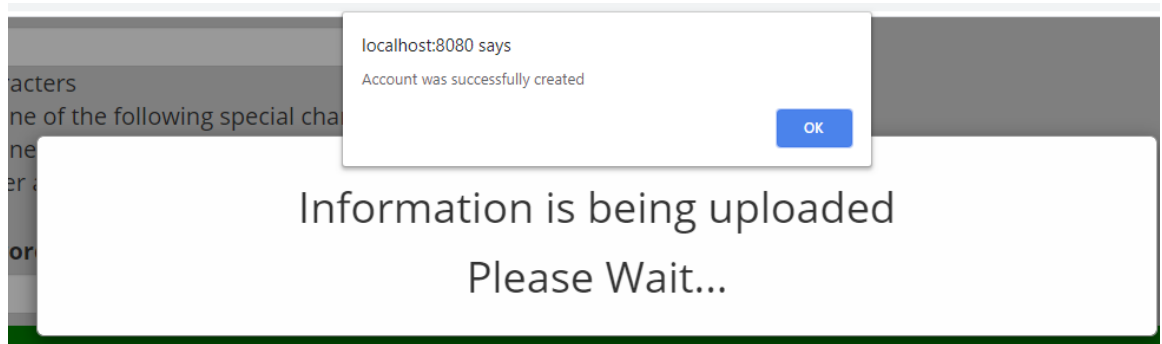


Figure 4 - Creating an Account Part 4

5. Information will now be show on myDMV Account Page

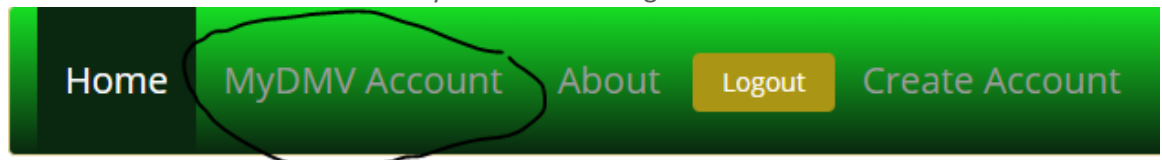


Figure 5 - Creating an Account Part 5

DMV of Virginia

Account Information

User Information

Social Security Number: 999999999
 Driver License Number: 888888888
 Date of Birth: 1990-09-08
 First Name: CJ
 Middle Name:
 Last Name: Rivers
 Suffix:
 Sex: M
 Class: A
 Eye Color: Brown
 Endorsements: None
 Height Feet: 5
 Height Inch: 1
 Restrictions: A
 Issue Date: 2020-04-18
 Expiration Date: 2028-09-08
 Resident Street Address: 1400 Dominion Ave
 Resident City: Chesapeake
 Resident State: VA
 Resident Zip: 23456
 Mailing Street Address: 1400 Dominion Ave
 Mailing City: Chesapeake
 Mailing State: VA
 Mailing Zip: 23456

Practice Tests

Commercial Drive Practice Test: Not Started
 Salesperson Practice Test: Not Started
 Dealer/Operator Practice Test: Not Started

Real ID Documentation

Figure 6 - Creating an Account Part 6

LOGGING IN

- How To Instructions
 1. From any page if not logged in, press the Login button

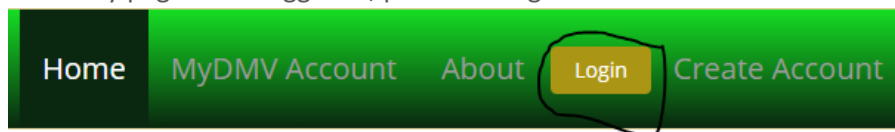


Figure 7 - Logging In Part 1

2. Enter information on form and Press **Submit Form** button
 - Correct any validation errors

Log In

The form is titled "Log In" and is divided into two main sections: "Identification Info" and "Password".

Identification Info

- Social Security Number:** A text input field containing "*****".
- Driver License Number:** A text input field containing "888888888".
- Date of Birth:** A text input field containing "09/08/1990".

Password

- Enter Password:** A text input field containing "*****".

At the bottom of the form is a blue button labeled "Submit form".

To create new account click [HERE](#)

Figure 8 - Logging In Part 2

3. Confirm metamask transaction and the current login credentials will be set in the DMV solidity contract. Screen will be redirected to home page

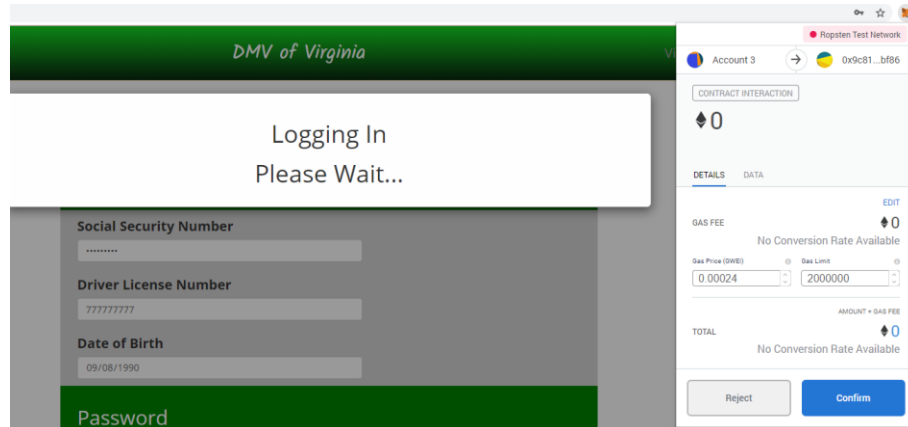


Figure 9 - Logging In Part 3

LOGGING OUT

- How To Instructions
 1. From any page if logged in, press the **Logout** button



Figure 10 - Logging Out Part 1

2. Confirm metamask transaction and the current login credentials will be removed from the DMV solidity contract. Screen will be redirected to home page

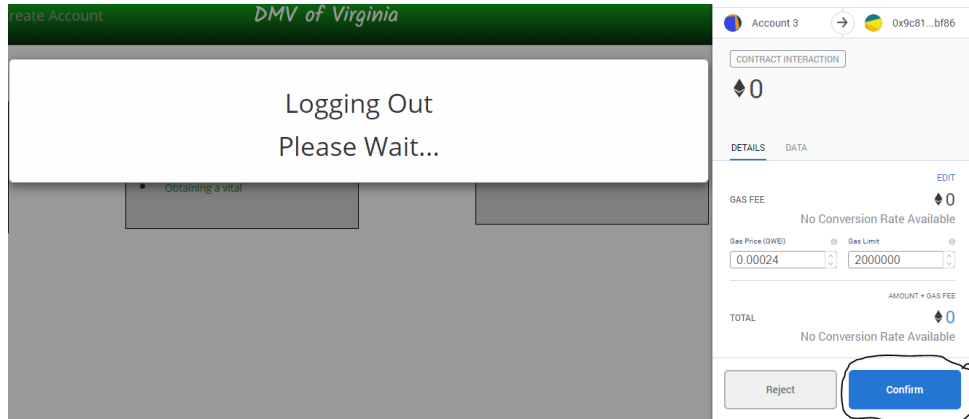


Figure 11 - Logging Out Part 2

CHANGING ADDRESS

- How To Instructions
 1. From Home Page, Navigate to the Address Change Page by clicking on **Address Change** link

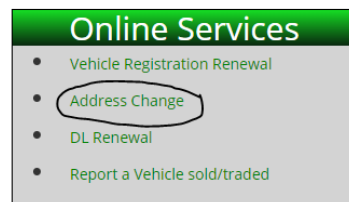


Figure 12 - Changing Address Part 1

2. Update address information and Press **Submit Form** button
 - Note: Current Address Information will be auto filled from DMV smart contract

Address Change

Residence Address

Street Address

City

State

Zip

Mailing Address

Street Address

City

State

Zip

Figure 13 - Changing Address Part 2

3. Confirm Metamask transaction and the current address information will be updated in the DMV solidity contract. Screen will be redirected to home page

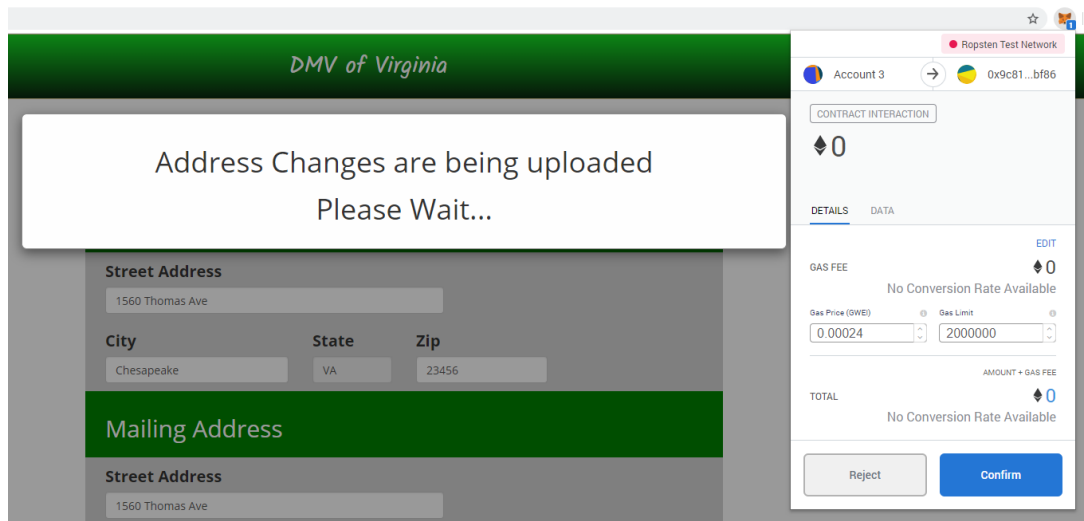


Figure 14 - Changing Address Part 3

4. Information will now be shown on MyDMV Page

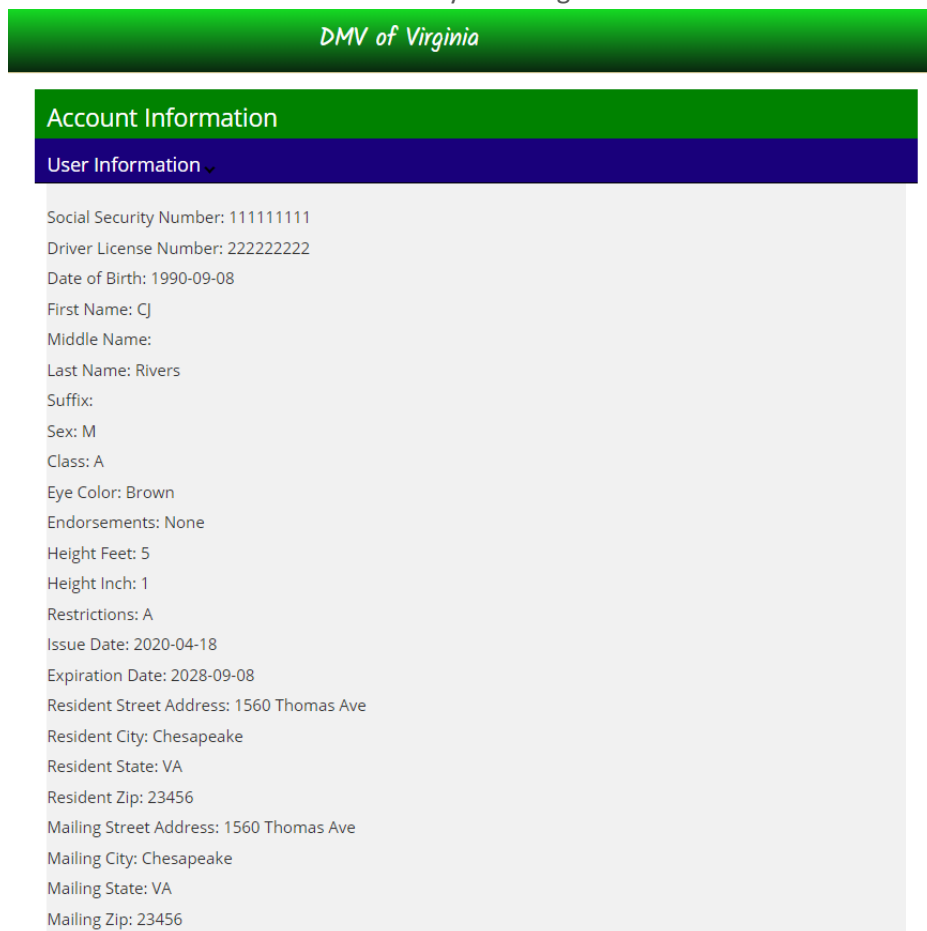


Figure 15 - Changing Address Part 4

DRIVER LICENSE RENEWAL

- How To Instructions

1. From Home Page, Navigate to the Address Change Page by clicking on **DL Renewal** link

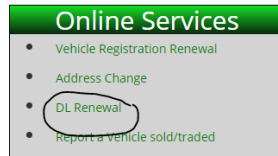
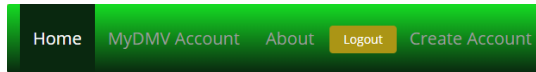


Figure 16 - Driver License Renewal Page 1

2. Update address information and Press **Submit Form** button
 - Note: Current License Information will be auto filled from DMV smart contract. Todays Date is the issue date. Issue Date is 8 years from now on birth month and birth day.

DMV of Virginia

Driver License Renewal

Driver License Info

First Name	Middle Name	Last Name	Suffix
Michael	Middle Name	Rivers	Suffix
Sex	Class		
M	A		
Eye Color	Endorsements		
Blue	None		
Height (Ft.)	Height (In.)	Restrictions	
6	1	A	
New Issue Date	New Expiration Date		
04/18/2020	09/08/2028		

Residence Address

Street Address	1560 Thomas Ave		
City	State	Zip	
Chesapeake	VA	23456	

Mailing Address

Street Address	1560 Thomas Ave		
City	State	Zip	
Chesapeake	VA	23456	

Submit form

Figure 17 - Driver License Renewal Page 2

- 3. Confirm Metamask transaction and the current license information will be updated in the DMV solidity contract. Screen will be redirected to home page

DMV of Virginia

Driver License Changes are being uploaded
Please Wait...

First Name	Middle Name	Last Name	Suffix
Michael	Middle Name	Rivers	
Sex	Class		
M	A		
Eye Color	Endorsements		
Blue	None		
Height (Ft.)	Height (In.)	Restrictions	
6	1	A	
New Issue Date	New Expiration Date		
04/18/2020	09/08/2028		
Residence Address			
Street Address			
1560 Thomas Ave			
City	State	Zip	

Account 3

CONTRACT INTERACTION

0

DETAILS DATA

GAS FEE 0

No Conversion Rate Available

Gas Price (GWEI) 0.00024 Gas Limit 2000000

TOTAL 0

No Conversion Rate Available

Reject Confirm

Figure 18 - Driver License Renewal Page 3

- Information will now be shown on MyDMV Page

DMV of Virginia

Account Information

User Information

Social Security Number: 111111111

Driver License Number: 222222222

Date of Birth: 1990-09-08

First Name: Michael

Middle Name:

Last Name: Rivers

Suffix:

Sex: M

Class: A

Eye Color: Blue

Endorsements: None

Height Feet: 6

Height Inch: 1

Restrictions: A

Issue Date: 2020-04-18

Expiration Date: 2028-09-08

Resident Street Address: 1560 Thomas Ave

Resident City: Chesapeake

Resident State: VA

Resident Zip: 23456

Mailing Street Address: 1560 Thomas Ave

Mailing City: Chesapeake

Mailing State: VA

Mailing Zip: 23456

Figure 19 - Driver License Renewal Page 4

PRACTICE TESTS

- How To Instructions
 1. From Home Page, Navigate to the Address Change Page by clicking on **Practice Exams** link

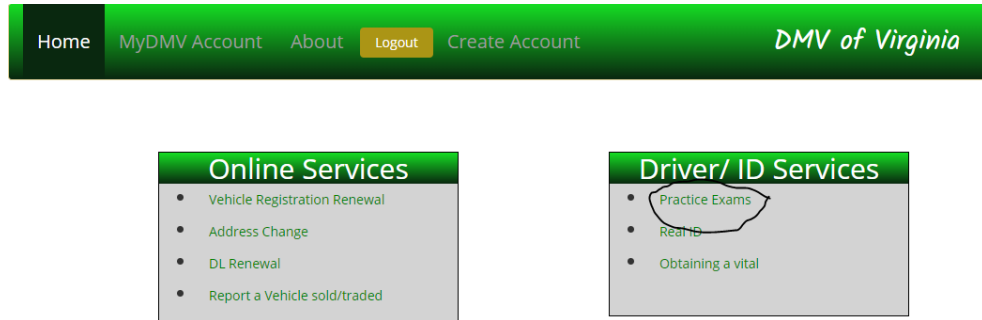


Figure 20 - Practice Tests Part 1

2. Click on an exam and fill it out and Press **Submit Form** button
 - Note: In this example we did the Commercial Driver Practice Test

Commercial Driver Practice Test

Questions

When Hauling hazardous materials, you should check your tires every

- ☐ eight hours/1,000 miles
- ☐ hour/50 miles
- ☐ six hours/300 miles
- ☒ two hours/100 miles

If you find anything unsafe during the pre-trip inspection, federal and state laws require you to

- ☐ fix it before the end of the day
- ☐ fix it before you drive
- ☒ drive slowly on back roads
- ☐ ask your supervisor

If the road is icy

- ☐ reduce your speed and stop driving as soon
- ☐ as you can
- ☐ maintain your speed; do not apply your
- ☒ brakes
- ☐ do not drive in reverse
- ☐ increase your speed to maintain stability

Gross vehicle weight (GVW) is defined as

- ☐ the total weight of a single vehicle plus the cargo
- ☒ the total weight of the cargo you are carrying
- ☐ axle weight plus gross combination weight
- ☐ the total weight of a single vehicle plus the cargo,
- ☐ minus fuel

When turning left at an intersection

- ☐ turn before you reach the center of the intersection
- ☒ flash your high beams
- ☐ use your horn
- ☐ reach the center of the intersection before you
- ☐ begin your turn

Submit form

Figure 21 - Practice Tests Part 2

3. Your score will pop up. Confirm metamask transaction and the current score will be set in the DMV solidity contract.

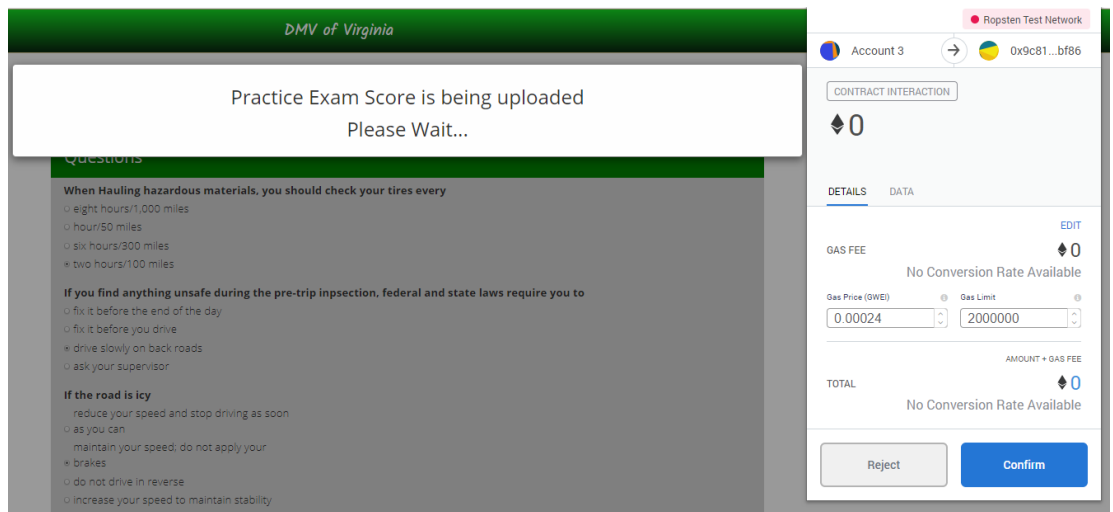


Figure 22 - Practice Tests Part 3

4. Information will now be shown on MyDMV Page

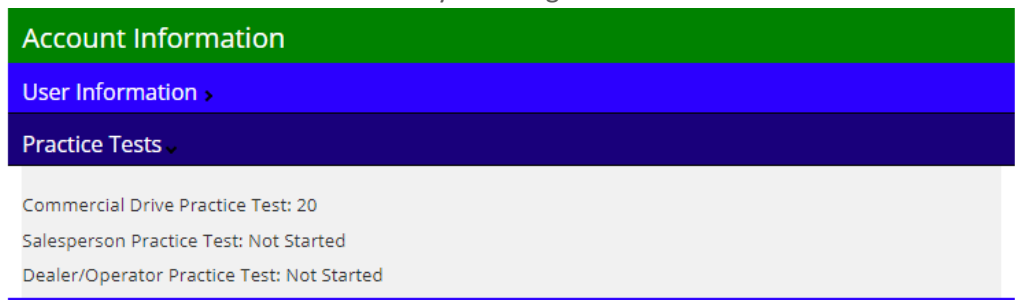


Figure 23 - Practice Tests Part 4

REQUEST FOR A VITAL RECORD

- How To Instructions
 1. From Home Page, Navigate to the Address Change Page by clicking on **Obtaining a vital** link

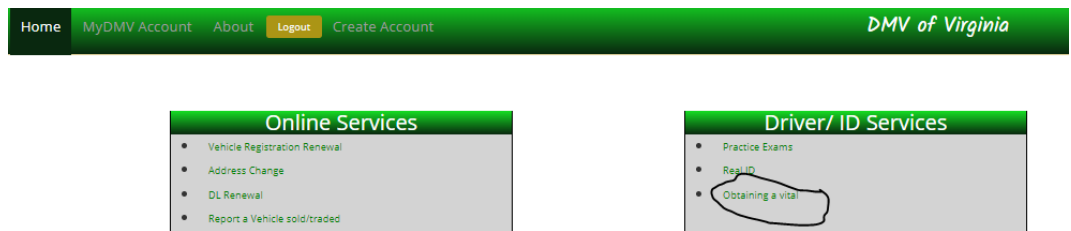


Figure 24 - Request for a Vital Record Page 1

2. Fill out request type and Press **Submit Form** button
 - Note: Current User Information will be auto filled from DMV smart contract. Note in this example, a birth record request is made

Request for Vital Record

Requester Info			
First Name	Middle Name	Last Name	Suffix
Michael	Middle Name	Rivers	Suffi
Street Address			
1560 Thomas Ave			
City	State	Zip	
Chesapeake	VA	23456	
Number of Copies Requested			
2			
Type of Certificate.			
<input type="checkbox"/> Birth			
<input type="checkbox"/> Death			
<input type="checkbox"/> Marriage			
<input type="checkbox"/> Divorce			
RELATIONSHIP OF REQUESTER TO PERSON NAMED ON THE CERTIFICATE.			
<input type="checkbox"/> Self			
<input type="checkbox"/> Mother			
<input type="checkbox"/> Father			
<input type="checkbox"/> Child			
<input type="checkbox"/> Sister			
<input type="checkbox"/> Brother			
<input type="checkbox"/> Current Spouse			
<input type="checkbox"/> Legal Representative			
<input type="checkbox"/> Maternal Grandparent			
<input type="checkbox"/> Paternal Grandparent			
<input type="checkbox"/> Non-Relative (Public Record Request Only)			
<input type="checkbox"/> Non-Immediate Family (Public Record Request Only)			
<input type="checkbox"/> Legal Guardian (approved papers Required)			
REASON FOR REQUESTING			
<input type="checkbox"/> Retirement			
<input type="checkbox"/> School: Pre-K to 12			
<input type="checkbox"/> Travel			
<input type="checkbox"/> Passport			
<input type="checkbox"/> Employment			
<input type="checkbox"/> Housing			
<input type="checkbox"/> Insurance			
<input type="checkbox"/> DMV License or ID card			
<input type="checkbox"/> Veteran Benefits Only			
<input type="checkbox"/> Public Record Request (records at least 100 years old)			
<input type="checkbox"/> Other (specify)			
Birth Certificate Info			
Name at Birth			
First Name	Middle Name	Last Name	Suffix
Tom	Middle Name	Rivers	Suffi
Name Changed To (If Applicable)			
First Name	Middle Name	Last Name	Suffix
First Name	Middle Name	Last Name	Suffi
Birth Info			
Birth Date	Birth Sex	Birth Place	Birth Hospital (Optional)
07/06/20	M	Chesapeake	Chesapeake General
Mother Full Maiden Name			
First Name	Middle Name	Last Name	Suffix
Sharon	Middle Name	Rivers	Suffi
Father Full Name			
First Name	Middle Name	Last Name	Suffix
Michael	Middle Name	Rivers	Suffi
Submit form			

Figure 25 - Request for a Vital Record Page 2

3. Confirm Metamask transaction and the current request information will be created in the DMV solidity contract. Screen will be redirected to home page

Request for Vital Record

Creating Vital Record Request
Please Wait...

Street Address

1560 Thomas Ave

City

Chesapeake

State

VA

Zip

23456

Number of Copies Requested

2

Type of Certificate.

☒ Birth

☐ Death

☐ Marriage

☐ Divorce

RELATIONSHIP OF REQUESTER TO PERSON NAMED ON THE CERTIFICATE.

☐ Self

Ropsten Test Network

Account 3

0x9c81...bf86

CONTRACT INTERACTION

0

DETAILS

DATA

GAS FEE

0

No Conversion Rate Available

Gas Price (GWEI)

0.00024

Gas Limit

2000000

AMOUNT + GAS FEE

TOTAL

0

No Conversion Rate Available

Reject

Confirm

Figure 26 - Request for a Vital Record Page 3

4. Information will now be shown on MyDMV Page

DMV of Virginia

Account Information

User Information >

Practice Tests >

Real ID Documentation >

Vital Records

Record 1 v

Type of Certificate: Birth

Requester Relationship to Person: Child

Reason for Request: Insurance

Requestor First Name: Michael

Requestor Middle Name:

Requestor Last Name: Rivers

Requestor Suffix:

Resident Street Address: 1560 Thomas Ave

Resident City: Chesapeake

Resident State: VA

Resident Zip: 23456

Number of Copies Requested: 2

First Name At Birth: Tom

Middle Name At Birth:

Last Name At Birth: Rivers

Suffix At Birth:

First Name Changed To:

Middle Name Changed To:

Last Name Changed To:

Suffix Changed To:

Birth Date: 2010-07-06

Birth Sex: M

Birth Place: Chesapeake

Birth Hospital: Chesapeake General

First Name Mother: Sharon

Middle Name Mother:

Last Name Mother: Rivers

Suffix Mother:

First Name Father: Michael

Middle Name Father:

Last Name Father: Rivers

Suffix Father:

Figure 27 - Request for a Vital Record Page 4

APPLY FOR REAL ID

- How To Instructions

1. From Home Page, Navigate to the Address Change Page by clicking on **Real ID** link

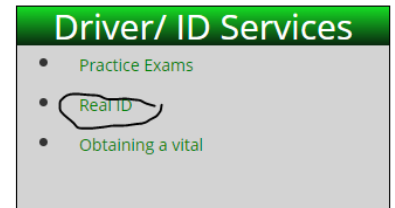
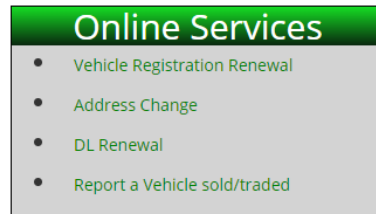
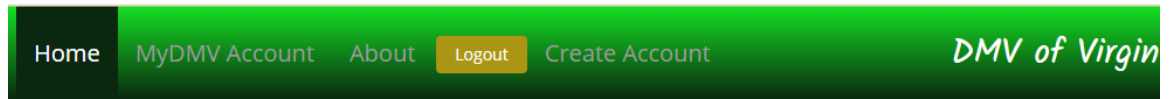


Figure 28 - Apply for REAL ID Part 1

2. Fill out information and Press **Submit Form** button
 - Note: Current User Information will be auto filled from DMV smart contract.

Apply for REAL ID

Proof of Identity

You are required to provide proof of your identity. DMV accepts the documents listed below. On this page, select one document.

- ☐ Official birth document issued by a U.S. state, jurisdiction, or territory. Birth documents issued by a hospital, notifications of birth registration, foreign birth certificates, and Virginia certificates of foreign birth (documents displaying the statement "Not evidence of U.S. citizenship") are not accepted.
- ☐ Valid, unexpired U.S. passport or U.S. passport card (temporary passports are not accepted)
- ☐ Unexpired foreign passport with unexpired or expired U.S. visa and unexpired I-94 or entry stamp
- ☒ Unexpired foreign passport with unexpired I-94W
- ☐ Unexpired foreign passport with unexpired or expired U.S. immigrant visa
- ☐ Unexpired foreign passport with unexpired or expired I-551 stamp
- ☐ Unexpired Employment Authorization Document (I-766)
- ☐ Consular Report of Birth Abroad (FS-240)
- ☐ Certificate of Birth Abroad (FS-545)
- ☐ Certification of Report of Birth of a U.S. Citizen (DS-1350)
- ☐ U.S. Certificate of Naturalization (Form N-550 or Form N-570)
- ☐ U.S. Certificate of Citizenship (Form N-560 or Form N-561)
- ☐ Valid, unexpired permanent resident card (Form I-551)
- ☐ REAL ID compliant driver's license or ID card

Primary Proof of Virginia Residency

You are required to provide one document as primary proof of your Virginia residency. You must give a street address. A post office box or business address is not accepted. Select a document.

- ☐ Deed, mortgage, monthly mortgage statement or residential rental/lease agreement
- ☐ U.S. Postal Service change of address confirmation form or postmarked U.S. mail with forwarding address label
- ☐ Virginia voter registration card mailed to you by your local registrar
- ☐ Virginia driver's license, commercial driver's license, learner's permit, or DMV-issued ID card displaying the applicant's current Virginia address (unexpired or expired for no more than one year)
- ☐ Cancelled check not more than two months old displaying the applicant's name and address (voided checks are not acceptable)
- ☐ Certified copy of school records/transcript or official report card issued within the last year by a school accredited by a U.S. state, jurisdiction or territory
- ☐ Virginia Department of Education Certificate of Enrollment form
- ☐ Monthly bank or credit card statement not more than two months old
- ☐ Payroll check stub issued by an employer within the last two months
- ☒ U.S. Internal Revenue Service tax reporting W-2 form or 1099 form not more than 18 months old
- ☐ Receipt for personal property taxes or real estate taxes paid within the last year to the Commonwealth of Virginia or a Virginia locality
- ☐ Current homeowners insurance policy or bill
- ☐ Annual social security statement for the current or preceding calendar year
- ☐ Current automobile or life insurance bill (cards or policies are not accepted)
- ☐ Medical or dental bill issued within the last two months

Active duty military member assigned to a unit based in Virginia may present one of the following:

- ☐ Letter from commanding officer on official letterhead with an original signature stating that the applicant resides onboard a ship docked in Virginia or in a
- ☐ Virginia locality based in Virginia

Figure 29 - Apply for REAL ID Part 2

- barracks located in Virginia
- Orders from the U.S. military assigning the applicant to a military unit with a Virginia address
- Leave and Earnings Statement (LES) showing Virginia as the applicant's home of record

Secondary Proof of Virginia Residency

You are required to provide one document as secondary proof of your Virginia residency. You must give a street address. A post office box or business address is not accepted. Select a document that you will bring to DMV.

- Deed, mortgage, monthly mortgage statement or residential rental/lease agreement
- U.S. Postal Service change of address confirmation form or postmarked U.S. mail with forwarding address label
- Virginia driver's license, commercial driver's license, learner's permit, or DMV-issued ID card displaying the applicants current Virginia address (unexpired or expired for no more than one year)
- Cancelled check not more than two months old displaying the applicant's name and address (voided checks are not acceptable)
- Certified copy of school records/transcript or official report card issued within the last year by a school accredited by a U.S. state jurisdiction or territory
- Virginia Department of Education Certificate of Enrollment form
- Monthly bank or credit card statement not more than two months old
- Payroll check stub issued by an employer within the last two months
- U.S. Internal Revenue Service tax reporting W-2 form or 1099 form not more than 18 months old
- Receipt for personal property taxes or real estate taxes paid within the last year to the Commonwealth of Virginia or a Virginia locality
- Current homeowners insurance policy or bill
- Annual social security statement for the current or preceding calendar year
- Current automobile or life insurance bill (cards or policies are not accepted)
- Medical or dental bill issued within the last two months
- Postmarked mail displaying the applicant's name and address
- Official correspondence from a federal, state, or local government agency displaying the applicant's name and current address
- Billing statement or other official document from a recognizable business or government agency displaying the applicant's name and current address

Active duty military member assigned to a unit based in Virginia may present one of the following:

- Letter from commanding officer on official letterhead with an original signature stating that the applicant resides onboard a ship docked in Virginia or in a barracks located in Virginia
- Orders from the U.S. military assigning the applicant to a military unit with a Virginia address
- Leave and Earnings Statement (LES) showing Virginia as the applicant's home of record

Proof of Social Security Number

You are required to provide one document as proof of your social security number (SSN) if you have been issued one. Your document must display all nine digits. Select one document that you will bring to DMV.

- Social security card (individual Taxpayer Identification Numbers are not accepted)
- W-2 form
- Payroll check stub issued by employer that shows full Social Security Number
- SSA-1099 form
- Non-SSA-1099 form
- I have not been issued a Social Security Number

Driver License Info

First Name Michael		Middle Name Middle Name		Last Name Rivers	Suffix Suffix
Sex M	Class A				
Eye Color Blue		Endorsements None			
Height (Ft.) 6	Height (In.) 1	Restrictions A			
Issue Date 04/19/2020		Expiration Date 09/08/2028			

Residence Address

Street Address 1560 Thomas Ave		
City Chesapeake	State VA	Zip 23456

Mailing Address

Street Address 1560 Thomas Ave		
City Chesapeake	State VA	Zip 23456

[Submit form](#)

Figure 30 - Apply for REAL ID Part 3

3. Confirm Metamask transaction and the current REAL ID information will be updated in the DMV solidity contract. Screen will be redirected to home page

Figure 31 - Apply for REAL ID Part 4

4. Information will now be shown on MyDMV Page

Figure 32 - Apply for REAL ID Part 5

TITLING A CAR IN VIRGINIA

- How To Instructions
 1. From Home Page, Navigate to the Address Change Page by clicking on **Titling a vehicle in Virginia** link

DMV of Virginia

Driver/ ID Services
<ul style="list-style-type: none">• Practice Exams• Real ID• Obtaining a vital

Vehicle Services
<ul style="list-style-type: none">• Selling/donating a vehicle• <u>Titling a vehicle in Virginia</u>

Figure 33 - Titling a car in Virginia Part 1

2. Fill out information and Press **Submit Form** button
 - Note: Current User Information will be auto filled from DMV smart contract.

Titling a Vehicle in Virginia

Full Owner Information			
Owner Information			
First Name	Middle Name	Last Name	Suffix
Michael	Middle Name	Rivers	Suffix
Resident Address			
1560 Thomas Ave			
Resident City	Resident State	Resident Zip	
Chesapeake	VA	23456	
Mailing Address			
1560 Thomas Ave			
Mailing City	Mailing State	Mailing Zip	
Chesapeake	VA	23456	
Driver License Number			
222222222			
Co-Owner Information (If Applicable)			
First Name	Middle Name	Last Name	Suffix
Lucres	Middle Name	Rivers	Suffix
Resident Address			
1609 Thomason Trail			
Resident City	Resident State	Resident Zip	
Chesapeake	Virginia (VA)	23320	
Mailing Address			
Street Address			
Mailing City	Mailing State	Mailing Zip	
City	State	Zip	
Driver License Number			
Driver License Number			
Supplemental Information			
Electronic Title Option (No Paper Issued)			
Yes			
Ownage Type			
Vehicle is owned by individual(s)			
If this application is for joint ownership, do you wish clear rights of ownership to be transferred to the surviving owner in the event of the death of either the owner or co-owner?			
Yes			
Are any of the owners/lessees on active military duty or service?			
Yes			
Location Where Vehicle is Principally Garaged			
City			

Figure 34 - Titling a car in Virginia Part 2

Location Where Garaged		Residence/Business Jurisdiction	
Chesapeake		Somewhere	
Registration Renewal Street Address			
1560 Thomas Ave			
Registration Renewal City	Registration Renewal State	Registration Renewal Zip	
Chesapeake	VA	23456	

Vehicle Information

Vehicle Identification Number		Plate/Decal/Metal Tag Number	
000000000000000000		WHAT EVER	
Make	Model	Model Year	
Honda	Accord	2016	
Primary Color	Division Code	State	
Blue	000	VA	
Certificate of Title Number		Previous Title Number	
000000000		Previous Title Number	
Body Type		Number of Axles	
Sedan		4	
Empty Weight	GVWR (single vehicle weight - manufacturer)	Gross Weight	GVWR (combined weight: truck + attached trailer)
4000	4000	5000	5500
Is this Vehicle a low speed vehicle?			
Yes			
Is this a Logging vehicle?			
No			
Fuel Type			
Gas			
Is Vehicle State or Locality Owned			
Yes			

Lien Information (If Applicable)

First Name	Middle Name	Last Name	Suffix
First Name	Middle Name	Last Name	Suffix
Resident Address			
Street Address			
Resident City	Resident State	Resident Zip	
City	State	Zip	
Date of First Lien	Lienholder Code		
mm/dd/yyyy	Lienholder Code		

Source of Ownership Information

Sale Price	Processing Fee	Sales and Use Tax	Vehicle Purchased From
20000.00	30.00	89.00	Honda Dealership
Purchase Date	Rentor Number		
07/08/2008	12345		

Figure 35 - Titling a car in Virginia Part 3

Resident Address			
1200 Charles Ave			
Resident City	Resident State	Resident Zip	
Chesapeake	VA	23456	
How was the vehicle sold to you			
New			
Lease Information (If Applicable)			
First Name	Middle Name	Last Name	Suffix
First Name	Middle Name	Last Name	Suffix
Resident Address			
Street Address			
Resident City	Resident State	Resident Zip	
City	State	Zip	
Social Security Number			
Social Security Number			
Odometer Statement			
Odometer Reading			
12			
About Odometer Statement			
The odometer reading above is the ACTUAL MILEAGE of the vehicle.			
Personal Property Tax Relief Eligibility			
Is more than 50% of the vehicle's annual mileage used as a business expense for federal income tax purposes OR reimbursed by an employer?			
(None)			
Is more than 50% of the depreciation associated with the vehicle deducted as a business expense for federal income tax purposes?			
(None)			
Is the cost of the vehicle expensed pursuant to Section 179 of the Internal Revenue Service Code?			
(None)			
If the vehicle is leased by an individual, does the leasing company pay the tax without reimbursement from the individual?			
(None)			
Eligible Use Type			
Personal			
Registration Information			
Renew for			
<input type="radio"/> 1 year <input type="radio"/> 2 year <input type="radio"/> 3 year			
Renewal Expiration Date			
04/30/2021			
Insurance Certification			
<input type="checkbox"/> This vehicle is insured by a liability policy issued through an insurance company licensed to do business in Virginia and it will remain insured while registered, whether or not it is operated. <input type="checkbox"/> This vehicle is not insured; therefore, I am remitting the applicable uninsured motor vehicle fee.			
Personal Property Tax Relief			
<input type="checkbox"/> Personal Use <input type="checkbox"/> Business Use			
Registration Type			
<input type="checkbox"/> Private <input type="checkbox"/> Rental <input type="checkbox"/> Trailer Permanent Regular Size <input type="checkbox"/> Plate <input type="checkbox"/> Trailer Permanent Small Size <input type="checkbox"/> Plate			
Submit form			

Figure 36 - Titling a car in Virginia Part 4

- 3. Confirm Metamask transaction and the car title will be created in the DMV solidity contract. Screen will be redirected to home page

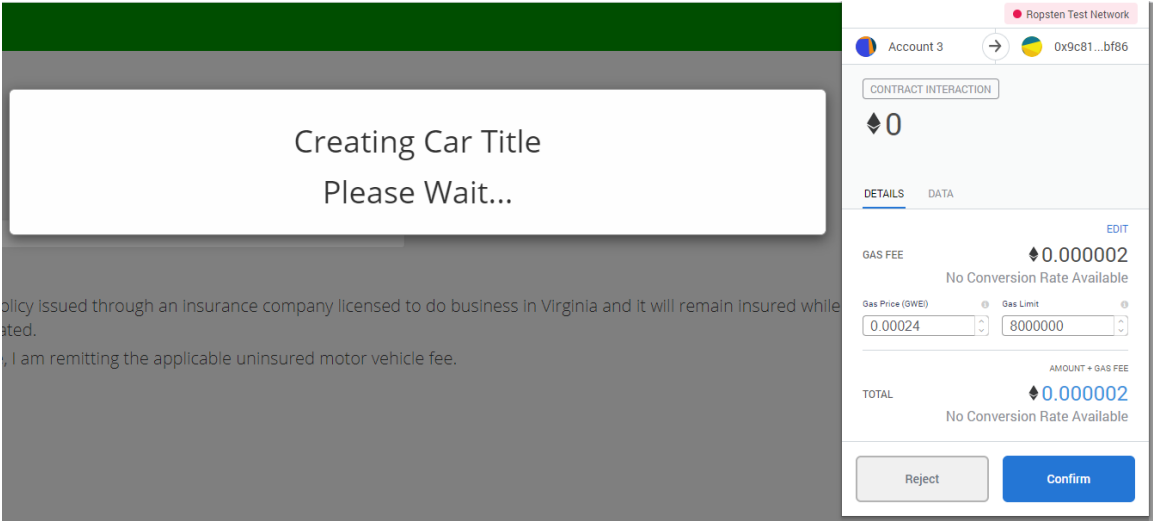


Figure 37 - Titling a car in Virginia Part 5

- 4. Information will now be shown on MyDMV Page

Owned Car Titles
000000000
Owner First Name: Michael
Owner Middle Name:
Owner Last Name: Rivers
Owner Suffix:
Owner Resident Street Address: 1560 Thomas Ave
Owner Resident City: Chesapeake
Owner Resident State: VA
Owner Resident Zip: 23456
Owner Mailing Street Address: 1560 Thomas Ave
Owner Mailing City: Chesapeake
Owner Mailing State: VA
Owner Mailing Zip: 23456
Owner Driver License Number: 222222222
Co-Owner First Name: Lucres
Co-Owner Middle Name:
Co-Owner Last Name: Rivers
Co-Owner Suffix:
Co-Owner Street Address: 1609 Thomason Trail
Co-Owner Resident City: Chesapeake
Co-Owner Resident State: Virginia (VA)
Co-Owner Resident Zip: 23320
Co-Owner Mailing Street Address:
Co-Owner Mailing City:
Co-Owner Mailing State:
Co-Owner Mailing Zip:
Co-Owner Driver License Number:
Location Where Garaged: Chesapeake
Residence/Business Jurisdiction: Somewhere
Registration Renewal Street Address: 1560 Thomas Ave
Registration Renewal City: Chesapeake
Registration Renewal State: VA
Registration Renewal Zip: 23456
Vehicle Identification Number: 0000000000000000
Plate/Decal/Metal Tag Number: WHAT-EVER
Make: Honda
Model: Accord
Model Year: 2016
Primary Color: Blue
Division Code: 000
State: VA
Certificate of Title Number: 000000000
Previous Title Number:
Body Type: Sedan
Number of Axles: 4
Empty Weight: 4000
GVWR (single vehicle weight - manufacturer): 4000
Gross Weight: 5000
GVWR (combined weight: truck + attached trailer): 5500
Lien First Name:
Lien Middle Name:
Lien Last Name:
Lien Suffix:
Lien Resident Street Address:
Lien Resident City:
Lien Resident State:
Lien Resident Zip:
Date of First Lien:
Lienholder Code:
Sale Price: 20000.00
Processing Fee: 30.00
Sales and Use Tax: 89.00
Vehicle Purchased From: Honda Dealership
Purchase Date: 2008-07-08
Rentor Number: 12345
Source of Ownership Street Address: 1200 Charles Ave
Source of Ownership City: Chesapeake
Source of Ownership State: VA
Source of Ownership Zip: 23456
Lessee's First Name:
Lessee's Middle Name:
Lessee's Last Name:
Lessee's Suffix:
Lessee's Resident Street Address:
Lessee's Resident City:

Figure 38 - Titling a car in Virginia Part 6

Lessee's Resident State:
Lessee's Resident Zip:
Lessee's Social Security Number:
Odometer Reading: 12
Renewal Expiration Date: 2021-04-30
Electronic Title Only: Yes
Ownage Type: Vehicle is owned by individual(s)
Transfer Ownership to Co-Owner after Death: Yes
Owners in Military Service or Duty: Yes
Location Where Vehicle is Principally Garaged: City
Is this Vehicle a low speed vehicle?: Yes
Is this a Logging vehicle?: No
Fuel Type: Gas
Is Vehicle State or Locality Owned: Yes
How was the vehicle sold to you: New
About Odometer Statement: The odometer reading above is the ACTUAL MILEAGE of the vehicle.
Is more than 50% of the vehicle's annual mileage used as a business expense for federal income tax purposes OR reimbursed by an employer?: (None)
Is more than 50% of the depreciation associated with the vehicle deducted as a business expense for federal income tax purposes?: (None)
Is the cost of the vehicle expensed pursuant to Section 179 of the Internal Revenue Service Code?: (None)
If the vehicle is leased by an individual, does the leasing company pay the tax without reimbursement from the individual?: (None)
Eligible Use Type: Personal
Renew for: 2 year
Insurance Certification: This vehicle is insured by a liability policy issued through an insurance company licensed to do business in Virginia and it will remain insured while registered, whether or not it is operated.
Personal Property Tax Relief: Personal Use
Registration Type: Private

Figure 39 - Titling a car in Virginia Part 7

VEHICLE REGISTRATION RENEWAL

- How To Instructions
 1. From Home Page, Navigate to the Address Change Page by clicking on **Vehicle Registration Renewal** link

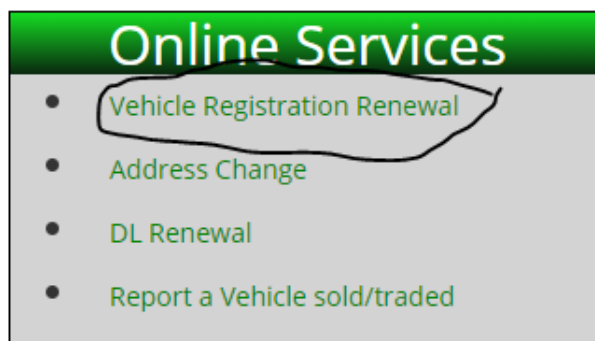
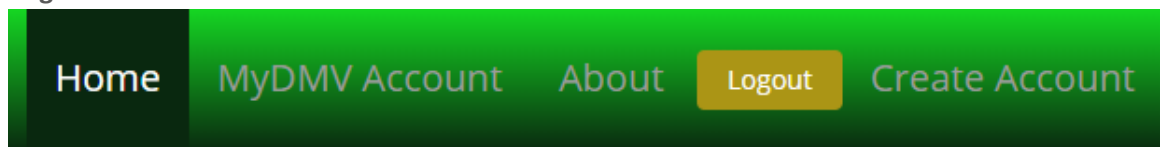


Figure 40 - Vehicle Registration Renewal Part 1

2. Enter Car Certificate Title Number and fill out information and Press **Submit Form** button
 - Note: Current User Information will be auto filled from DMV smart contract.

Vehicle Registration Renewal

Vehicle Information

Vehicle Identification Number
000000000000000000

Plate/Decal/Metal Tag Number
WHAT-EVER

Make
Honda

Model
Accord

Model Year
2016

Certificate of Title Number
000000000

Registration Renewal Information**Renew for**

☐ 1 year

☐ 2 year

☒ 3 year

Renewal Expiration Date
04/30/2023**Insurance Certification**

This vehicle is insured by a liability policy issued through an insurance company licensed to do business in Virginia and it will

☒ remain insured while registered, whether or not it is operated.

This vehicle is not insured; therefore, I am remitting the applicable

☐ uninsured motor vehicle fee.

Personal Property Tax Relief

☐ Personal Use

☒ Business Use

Submit form

Figure 41 - Vehicle Registration Renewal Part 2

3. Confirm Metamask transaction and the car title will be created in the DMV solidity contract. Screen will be redirected to home page

The screenshot displays the 'Vehicle Registration Renewal' interface. A central modal box states 'Updating Car Title Registration Please Wait...'. Below this, the vehicle details are shown: Make (Honda), Model (Accord), and Model Year (2016). The Certificate of Title Number is 000000000. A green bar highlights the 'Registration Renewal Information' section, which includes options to renew for 1, 2, or 3 years (3 years is selected) and a renewal expiration date of 04/30/2023. On the right, a sidebar shows the transaction details for 'Account 3' on the 'Ropsten Test Network'. It indicates a 'CONTRACT INTERACTION' with a gas fee of 0.000002 ETH, a gas price of 0.00024, and a gas limit of 8000000. The total amount is 0.000002 ETH. 'Reject' and 'Confirm' buttons are at the bottom of the sidebar.

Figure 42 - Vehicle Registration Renewal Part 3

4. Information will now be shown on MyDMV Page

Owner First Name: Michael
Owner Middle Name:
Owner Last Name: Rivers
Owner Suffix:
Owner Resident Street Address: 1560 Thomas Ave
Owner Resident City: Chesapeake
Owner Resident State: VA
Owner Resident Zip: 23456
Owner Mailing Street Address: 1560 Thomas Ave
Owner Mailing City: Chesapeake
Owner Mailing State: VA
Owner Mailing Zip: 23456
Owner Driver License Number: 22222222
Co-Owner First Name: Lucres
Co-Owner Middle Name:
Co-Owner Last Name: Rivers
Co-Owner Suffix:
Co-Owner Street Address: 1609 Thomason Trail
Co-Owner Resident City: Chesapeake
Co-Owner Resident State: Virginia (VA)
Co-Owner Resident Zip: 23320
Co-Owner Mailing Street Address:
Co-Owner Mailing City:
Co-Owner Mailing State:
Co-Owner Mailing Zip:
Co-Owner Driver License Number:
Location Where Garaged: Chesapeake
Residence/Business Jurisdiction: Somewhere
Registration Renewal Street Address: 1560 Thomas Ave
Registration Renewal City: Chesapeake
Registration Renewal State: VA
Registration Renewal Zip: 23456
Vehicle Identification Number: 0000000000000000
Plate/Decal/Metal Tag Number: WHAT-EVER
Make: Honda
Model: Accord
Model Year: 2016
Primary Color: Blue
Division Code: 000
State: VA
Certificate of Title Number: 000000000
Previous Title Number:
Body Type: Sedan
Number of Axles: 4
Empty Weight: 4000
GVWR (single vehicle weight - manufacturer): 4000
Gross Weight: 5000
GVWR (combined weight: truck + attached trailer): 5500
Lien First Name:
Lien Middle Name:
Lien Last Name:

Figure 43 - Vehicle Registration Renewal Part 4

Lien Suffix:
Lien Resident Street Address:
Lien Resident City:
Lien Resident State:
Lien Resident Zip:
Date of First Lien:
Lienholder Code:
Sale Price: 20000.00
Processing Fee: 30.00
Sales and Use Tax: 89.00
Vehicle Purchased From: Honda Dealership
Purchase Date: 2008-07-08
Rental Number: 12345
Source of Ownership Street Address: 1200 Charles Ave
Source of Ownership City: Chesapeake
Source of Ownership State: VA
Source of Ownership Zip: 23456
Lessee's First Name:
Lessee's Middle Name:
Lessee's Last Name:
Lessee's Suffix:
Lessee's Resident Street Address:
Lessee's Resident City:
Lessee's Resident State:
Lessee's Resident Zip:
Lessee's Social Security Number:
Odometer Reading: 12
Renewal Expiration Date: 2023-04-30
Electronic Title Only: Yes
Ownership Type: Vehicle is owned by individual(s)
Transfer Ownership to Co-Owner after Death: Yes
Owners in Military Service or Duty: Yes
Location Where Vehicle is Principally Garaged: City
Is this Vehicle a low speed vehicle?: Yes
Is this a Logging vehicle?: No
Fuel Type: Gas
Is Vehicle State or Locality Owned: Yes
How was the vehicle sold to you: New
About Odometer Statement: The odometer reading above is the ACTUAL MILEAGE of the vehicle.
Is more than 50% of the vehicle's annual mileage used as a business expense for federal income tax purposes OR reimbursed by an employer?: (None)
Is more than 50% of the depreciation associated with the vehicle deducted as a business expense for federal income tax purposes?: (None)
Is the cost of the vehicle expensed pursuant to Section 179 of the Internal Revenue Service Code?: (None)
If the vehicle is leased by an individual, does the leasing company pay the tax without reimbursement from the individual?: (None)
Eligible Use Type: Personal
Renew for: 3 year
Insurance Certification: This vehicle is insured by a liability policy issued through an insurance company licensed to do business in Virginia and it will remain insured while registered, whether or not it is operated.
Personal Property Tax Relief: Business Use
Registration Type: Private

Figure 44 - Vehicle Registration Renewal Part 5

SELLING/DONATING A VEHICLE

- How To Instructions
 1. From Home Page, Navigate to the Address Change Page by clicking on **Selling/donating a vehicle** link

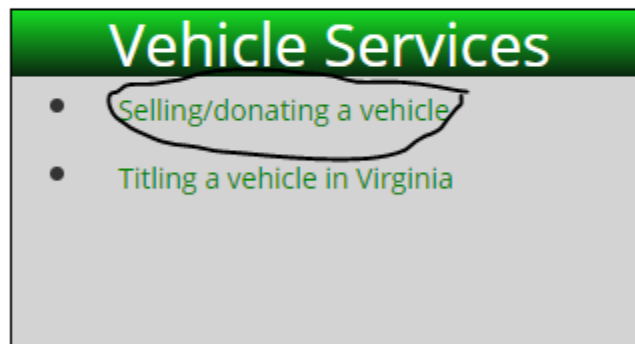


Figure 45 - Selling/Donating a Vehicle Part 1

2. Enter Car Certificate Title Number and fill out information and Press **Submit Form** button
 - Note: Current User Information will be auto filled from DMV smart contract.

Selling/Donating a Vehicle

Vehicle Information			
Vehicle Identification Number		Plate/Decal/Metal Tag Number	
<input type="text" value="0000000000000000"/>		<input type="text" value="WHAT-EVER"/>	
Make	Model	Model Year	
<input type="text" value="Honda"/>	<input type="text" value="Accord"/>	<input type="text" value="2016"/>	
Certificate of Title Number		Current Odometer Number	
<input type="text" value="000000000"/>		<input type="text" value="1234"/>	

Seller Information			
First Name	Middle Name	Last Name	Suffix
<input type="text" value="Michael"/>	<input type="text" value="Middle Name"/>	<input type="text" value="Rivers"/>	<input type="text" value="Sr"/>
Street Address			
<input type="text" value="1560 Thomas Ave"/>			
City	State	Zip	
<input type="text" value="Chesapeake"/>	<input type="text" value="VA"/>	<input type="text" value="23456"/>	

Buyer Information			
First Name	Middle Name	Last Name	Suffix
<input type="text" value="Tom"/>	<input type="text" value="Middle Name"/>	<input type="text" value="Lewid"/>	<input type="text" value="Sr"/>
Driver License			
<input type="text" value="111111111"/>			
Street Address			
<input type="text" value="1400 Sike"/>			
City	State	Zip	
<input type="text" value="Virginia Beach"/>	<input type="text" value="VA"/>	<input type="text" value="23456"/>	
Sale Price		Date Vehicle Sold	
<input type="text" value="12000.00"/>		<input type="text" value="09/08/2018"/>	
<input type="button" value="Submit form"/>			

Figure 46 - Selling/Donating a Vehicle Part 2

3. Confirm Metamask transaction and the sale receipt will be created in the DMV solidity contract. Screen will be redirected to home page

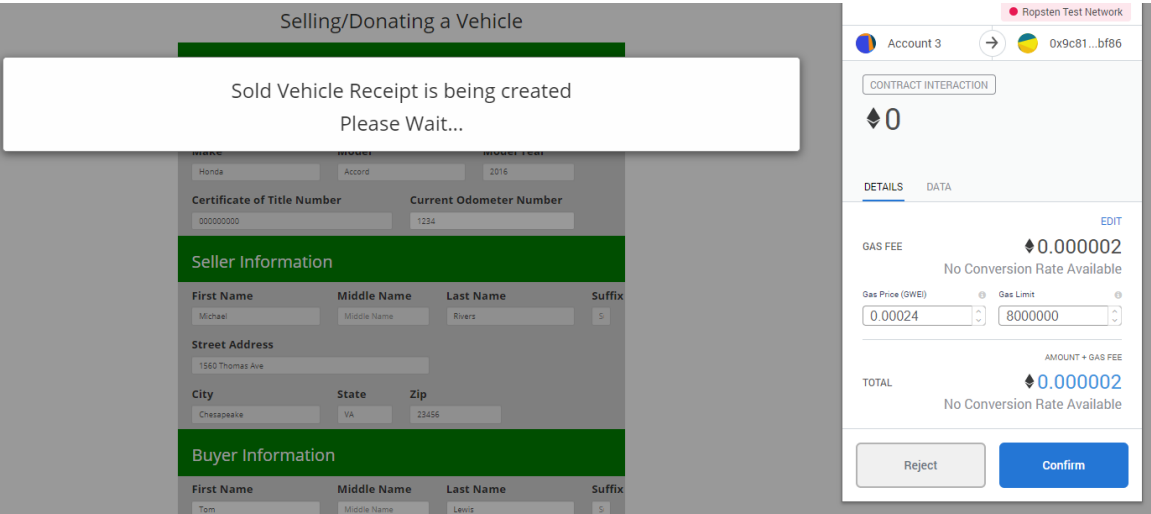


Figure 47 - Selling/Donating a Vehicle Part 3

4. Information will now be shown on MyDMV Page

Sold/Donated Vehicles

000000000 - Not Reported ▾

Vehicle Identification Number: 000000000000000000

Plate/Decal/Metal Tag Number: WHAT-EVER

Make: Honda

Model: Accord

Model Year: 2016

Certificate of Title Number: 000000000

Current Odometer Number: 1234

Seller First Name: Michael

Seller Middle Name:

Seller Last Name: Rivers

Seller Suffix:

Seller Resident Street Address: 1560 Thomas Ave

Seller Resident City: Chesapeake

Seller Resident State: VA

Seller Resident Zip: 23456

Buyer First Name: Tom

Buyer Middle Name:

Buyer Last Name: Lewis

Buyer Suffix:

Buyer Driver License: 111111111

Buyer Resident Street Address: 1400 Sike

Buyer Resident City: Virginia Beach

Buyer Resident State: VA

Buyer Resident Zip: 23456

Sale Price: 12000.00

Date Vehicle Sold: 2018-09-08

Figure 48 - Selling/Donating a Vehicle Part 4

REPORT A VEHICLE SOLD OR TRADED

- How To Instructions
 1. From Home Page, Navigate to the Address Change Page by clicking on **Report a Vehicle sold/traded** link

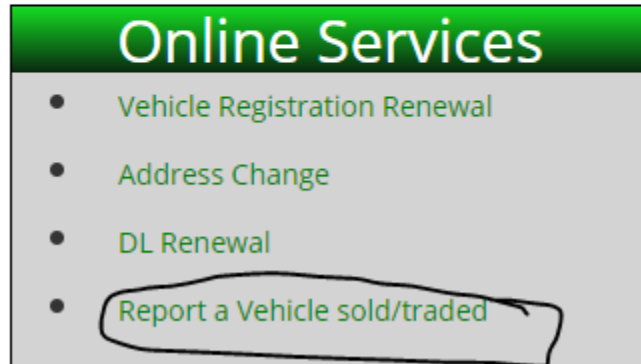


Figure 49 - Report a Vehicle Sold or Traded Part 1

2. Enter Car Certificate Title Number and Press **Submit Form** button
 - Note: Current User Information will be auto filled from DMV smart contract.

Report a Vehicle sold or Traded

Vehicle Information			
Vehicle Identification Number		Plate/Decal/Metal Tag Number	
<input type="text" value="000000000000000000"/>		<input type="text" value="WHAT-EVER"/>	
Make	Model	Model Year	
<input type="text" value="Honda"/>	<input type="text" value="Accord"/>	<input type="text" value="2016"/>	
Certificate of Title Number		Date Vehicle Sold	
<input type="text" value="000000000"/>		<input type="text" value="09/08/2018"/>	
Sale Price (Enter 0.0 if gift or inheritance)		Today's Date	
<input type="text" value="12000.00"/>		<input type="text" value="04/19/2020"/>	

Seller Information			
First Name	Middle Name	Last Name	Suffix
<input type="text" value="Michael"/>	<input type="text" value="Middle Name"/>	<input type="text" value="Rivers"/>	<input type="text" value="Sr"/>
Street Address			
<input type="text" value="1560 Thomas Ave"/>			
City	State	Zip	
<input type="text" value="Chesapeake"/>	<input type="text" value="VA"/>	<input type="text" value="23456"/>	

Buyer Information			
First Name	Middle Name	Last Name	Suffix
<input type="text" value="Tom"/>	<input type="text" value="Middle Name"/>	<input type="text" value="Lewis"/>	<input type="text" value="Sr"/>
Driver License			
<input type="text" value="111111111"/>			
Street Address			
<input type="text" value="1400 Sike"/>			
City	State	Zip	
<input type="text" value="Virginia Beach"/>	<input type="text" value="VA"/>	<input type="text" value="23456"/>	
<input type="button" value="Submit form"/>			

Figure 50 - Report a Vehicle Sold or Traded Part 2

3. Confirm Metamask transaction and the sale receipt will be created in the DMV solidity contract. Screen will be redirected to home page

The image shows a web form titled "Report a Vehicle sold or Traded" with a Metamask transaction confirmation overlay. The form fields include:

- Vehicle Information:** Make (Honda), Model (Accord), Year (2016).
- Certificate of Title Number:** 000000000
- Date Vehicle Sold:** 09/08/2018
- Sale Price (Enter 0.0 if gift or inheritance):** 12000.00
- Today's Date:** 04/19/2020
- Seller Information:**
 - First Name: Michael
 - Middle Name: Middle Name
 - Last Name: Rivers
 - Suffix: S
 - Street Address: 1560 Thomas Ave
 - City: Chesapeake
 - State: VA
 - Zip: 23456
- Buyer Information:** (Section header visible)

The Metamask overlay shows a transaction on the Ropsten Test Network for Account 3 (0x9c81...bf86). The transaction is a "CONTRACT INTERACTION" with a gas fee of 0.000002 ETH and a total of 0.000002 ETH. The overlay includes "Reject" and "Confirm" buttons.

Figure 51 - Report a Vehicle Sold or Traded Part 3

4. Information will now be shown on MyDMV Page

Sold/Donated Vehicles

000000000 - Reported >

Reported Vehicles to DMV

000000000 ✓

Vehicle Identification Number: 000000000000000000

Plate/Decal/Metal Tag Number: WHAT-EVER

Make: Honda

Model: Accord

Model Year: 2016

Certificate of Title Number: 0000000000

Date Vehicle Sold: 2018-09-08

Sale Price: 12000.00

Today Date: 2020-04-19

Seller First Name: Michael

Seller Middle Name:

Seller Last Name: Rivers

Seller Suffix:

Seller Resident Street Address: 1560 Thomas Ave

Seller Resident City: Chesapeake

Seller Resident State: VA

Seller Resident Zip: 23456

Buyer First Name: Tom

Buyer Middle Name:

Buyer Last Name: Lewis

Buyer Suffix:

Buyer Driver License: 111111111

Buyer Resident Street Address: 1400 Sike

Buyer Resident City: Virginia Beach

Buyer Resident State: VA

Buyer Resident Zip: 23456

Figure 52 - Report a Vehicle Sold or Traded Part 4