

New Jersey Turnpike/ Garden State Parkway Toll Calculator Expectations

- **Sidebar**

- Map of the New Jersey on a right sidebar on the page with the Interstates in light gray and the New Jersey Turnpike in highlighted in Dark Green and the Garden State Parkway highlighted in Light Green
- Each exit has a clickable circle button. For exit that are closer together, the circles will be made smaller, and when they are hovered over, the circle will become larger
 - When an circle is hovered over, it will show a bubble that will reveal details about that exit (Number, Milepost (NJTP Only), Route Number, Control Cities)
 - Clicking on the circle will link to a page that has more information about that exit. (Services, Attraction, Nearby Cities and the Attractions that are available at those cities, Nearby bridges and the tolls for them, Traffic Conditions at Highways nearby the exit)
- Below the map, there will be an Info Box that explains the New Jersey Turnpike's Closed Tolling System and the Garden State Parkway's Open Tolled System

Main

- Drop down bar that lets you pick the exit you're entering at The Drop-down Bar will be numbered "1"
 - At the top of the bar, there will be a search bar that will let you search be exits by: Exit Number, Milepost, Control Cities, Highway Name or Number, Nearby Cities (in and Outside of NJ), Nearby Attraction and Airports, Nearby Bridges/Tunnels)
 - If the user searched for a Nearby City (in and Outside of NJ), Nearby Attraction, Airport or Nearby Bridge, it will show "**What was Searched* via:*" and then the matching exit below it (eg. If Six Flags was Searched, it would show "Six Flags Great Adventure *via* Exit 7A I-195 Trenton/Shore Points")
 - If What the User searched was a Nearby City or Nearby Bridge, the text will be in green.
 - If What the User searched for was a Nearby Attraction or Airport, the text will be in brown
 - If What the User searched for was a nearby bridge/tunnel and the bridge/tunnel is on a different highway than the exit, the shield for the Highway the bridge/tunnel carries will appear to the right of the bridge name. (eg if the user searched "Betsy Ross Bridge", it would show "NJ-90 Betsy Ross Br *via* Exit 4 NJ-73 Mt. Laurel/ Camden")
 - The user can also search for bridges by "**Highway it Carries* Bridge*" (e.g. if the user searched for "Route 1 Bridge", it would show "US-1 Trenton-Morrisville Toll Bridge *via* Exit 7A I-195 Trenton/Shore Points")
 - The drop-down menu will contain exits for the New Jersey Turnpike, the New Jersey Turnpike's Extensions and Spurs and the Garden State Parkway
 - When opened, the menu will show the New Jersey Turnpike Exits Starting at one. The bar will go down at most around 600px. The menu will start out with the first few exits and can be scrolled down to access the other exits.
 - Each exit will have a White Background, but will turn light green when its hovered over.

- Each tab show (from left to right): The Exit Number, The Milepost the Exit is on (NJTP Only), The Route Shield(s), The Control Cities
 - When an exit is hovered over, its dot will get a green outline on the map.
 - Once you scroll down to Exit 18 on the NJTP, the list will the Exits below will show the Garden State Parkway Exits Starting at *George Washington Bridge*.
 - Once you scroll up to Exit 0 on the GSP, the list will the Exits above will show the Garden State Parkway Exits Starting at *George Washington Bridge*.
 - If New Jersey Turnpike exits are being looked at, there will be an option saying Garden State Parkway at the bottom that will skip down to the Garden State Parkway Exits.
 - If the Garden State Parkway Exits are being shown, there will be an option saying New Jersey Turnpike at the top that will skip up to the New Jersey Turnpike Exits.
 - If the user clicks on NJTP Exit 11, it will jump down to GSP Exit 129, If the user clicks on NJTP Exit 11, it will jump down to GSP Exit 129
 - NJTP Exit 11 and GSP Exit 129 will not list control cities, and will instead say Garden State Parkway and New Jersey Turnpike respectively
- Drop down bar that lets you pick the exit you're exiting at The Drop-down Bar will be numbered "2":
 - The option will be grayed out until option 1 is answered
 - The bar will function the same way as the first one except:
 - When an exit is clicked on, the dot it corresponds two will turn red and a blue path will form between the entrance interchange and exit interchange
 - When the user rolls over the rolls over the exit they selected for one, the Exit will turn red and the text will be replaced by "NO U-TURNS". The button will not be clickable.
- After 2 is filled out, 3 buttons will appear. The first button will say CASH, the second E-ZPASS New Jersey Resident, the third E-ZPASS Out of State
 - If New Jersey Resident is chosen, the user will be asked if they're registered in the SENIOR or GREENPASS program. They will then be asked what time and day they plan on traveling.
- After 3 is filled out, you will be asked what Class you are. Each class will have a button. The button will have a picture of a vehicle in that class, the class number and, how many axles are in that class
- At the end, it will show your total toll
 - The details of the toll will also be shown
 - If the trip includes the New Jersey Turnpike:
 - A heading will appear with (from left to right): The New Jersey Turnpike Shield and the text "New Jersey Turnpike"
 - Below the heading, it will show "**The Entering Interchange* to *The Exiting Interchange**" and the amount of miles between those exits (For example, if the trip went from US-206 to NJ-81, it would say "*Bordentown to Newark Airport – 48.3 Miles*")
 - To the right of both the heading and Exits, it would say how much the toll is. (eg. \$4.75)
 - If the trip includes the Garden State Parkway:
 - A heading will appear with (from left to right): The New Jersey Turnpike Shield and the text "New Jersey Turnpike"
 - Below the heading, it will show "**The Entering Interchange* to *The Exiting Interchange**" and the amount of miles between those exits (For example, if the trip

went from I-287/NJ-440 to NJ-35/NJ-36, it would say “Perth Amboy to Keyport – 11 Miles)

- Next to the Route Info, there will be a button saying More Info. If the button is pressed, a list of all the toll plazas the route will go through, their milepost number, and their toll will appear. If there is a toll at an exit, the text will be green(For example:
125.4 Rairtan Toll Plaza \$1.50
Exit 117 Keyport Toll Plaza \$.50)
- To the right of both the heading and Exits, it would say how much the toll is. (eg. \$2.00)
- At the end, it will show the final toll amount in large, black text
 - If the user picked a route where the toll adds up to \$0.00, the final toll amount will be replaced with “No Toll this Route”
- If the exit the user is leaving at is close to a bridge/tunnel, an Info box will appear saying: Note the *Name of Bridge/Tunnel* has a toll of *price* (Example: Note the Lincoln Tunnel has a toll of \$15.00)
 - If the exit is near the Holland Tunnel, an info box will appear saying “Note, the Maximum Vertical Clearance of the Holland Tunnel is 12’ 6”. Vehicles above that height should use the Lincoln Tunnel.”
 - The “Lincoln Tunnel” will be a link. Clicking on it will change the destination to Exit 16E.
 - If the exit is near the Lincoln Tunnel, an info box will appear saying “Note, the Maximum Vertical Clearance of the Lincoln Tunnel is 14’. Vehicles above that height should use the George Washington Bridge.”
 - The “George Washington Bridge” will be a link. Clicking on it will change the destination to *George Washington Bridge*
 - If the destination is *George Washington Bridge*, an info box will appear saying “Note, No Trucks or Buses on the Lower Level’.
- If the exit the user is leaving at is close to a Bridge or Tunnel that is closed or facing heavy traffic, an Info Box will appear saying the bridge is closed and will show an Alternate Route (Example if the User set their destination as Exit 6 it would say: *The Delaware River Bridge is Closed, use the Trenton-Morrisville Toll Bridge as an Alternate route*)
- If the route the user selected goes on the Garden State Parkway North of Exit 105 and the User also selected any class other than 1, 2 or B1, a red warning box will appear instead of the Final Toll and say: “Heavy Trucks are prohibited North of Exit 105 on the Garden State Parkway, Please chose an alternate route.”

Examples of other Toll Calculators (For Reference)

The Pennsylvania Turnpike: <https://www.paturnpike.com/toll/tollmileage.aspx>

The Current New Jersey Turnpike: <http://www.state.nj.us/turnpike/toll-cars-2012.html>

The Indiana Turnpike: <http://www.ezpassin.com/traveltime/>

Ontario 407 ETR: <https://www.407etr.com/en/tolls/tolls/toll-calculator.html>

The New York State Thruway: <http://www.thruway.ny.gov/travelers/tolls/calc/findclass/classtree.cgi>