Civil 3D to 3DS Max Using Civil View for Compelling Civil Construction Sequences

Jenna Kubiak

VDC Engineer





About the speaker

Jenna Kubiak

As an engineer with the Skanska USA Civil VDC team for the past two years, Jenna has utilized a wide range of Autodesk software to perform constructability reviews, quantity takeoffs and create compelling construction sequences for Heavy Civil pursuits. She has worked on jobs ranging from \$40 million to \$400 million across the US, including the General Dynamics Electric Boat's South Yard Assembly Building, Chelsea Viaduct, and Hunt's Point Interstate Access Improvement projects.



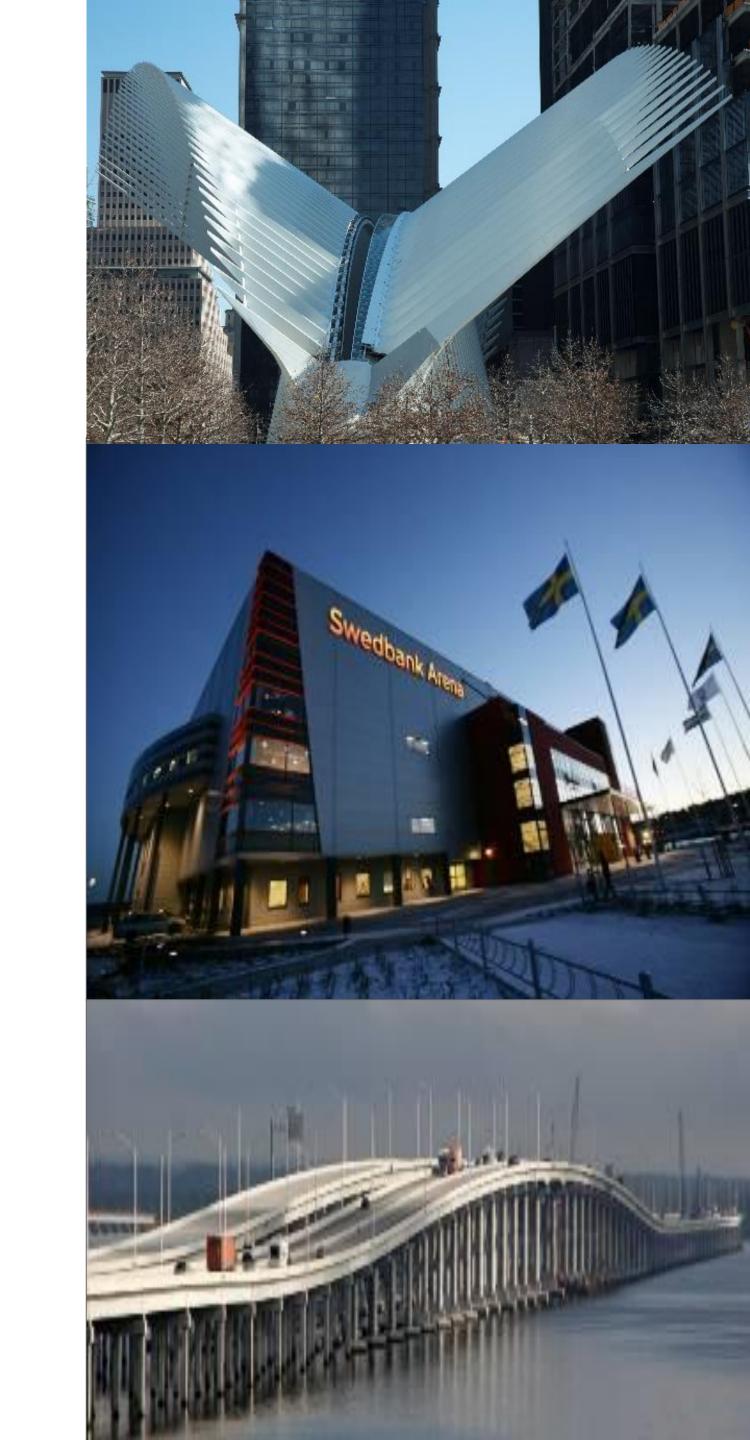
About the speaker

Patrick Rice

With over 10 years in the AEC industry and 6 years with Skanska USA Civil, Patrick is a VDC Manager of a team of 10 VDC Engineers and Coordinators. At Skanska USA Civil, Patrick and the VDC team use multiple Autodesk software and push them to their limit to help win Heavy Civil pursuits across the United States. Patrick has worked on projects such as the \$4 Billion LaGuardia Redevelopment Project, Kosciuszko Bridge Project, Chelsea Viaduct Project and numerous Civil pursuits around the United States.

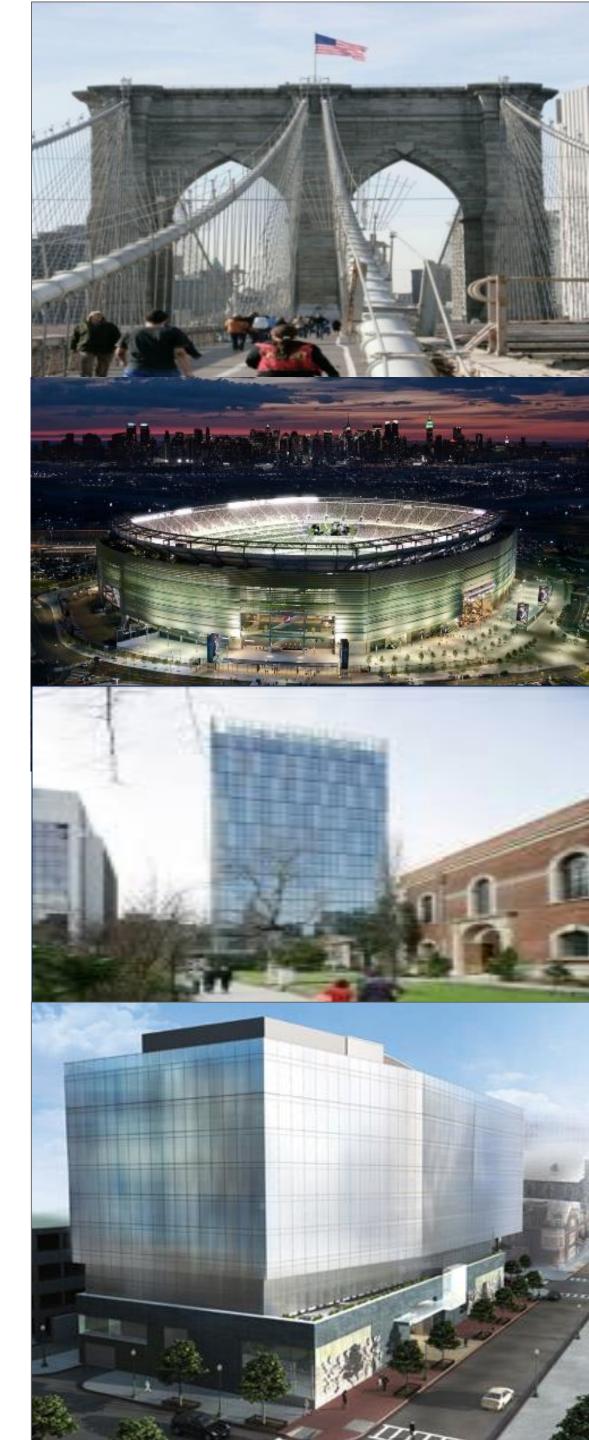
Who is Skanska?

- One of the world's leading companies in construction and project development
- Ranked 7th largest general contractor by ENR
- A top green contractors
- 4,000 repeat customers
- Global headquarters in Stockholm, Sweden
- More than 41,000 employees worldwide
- Three business streams
 - Construction (building and heavy civil projects)
 - Commercial Development
 - Residential Development

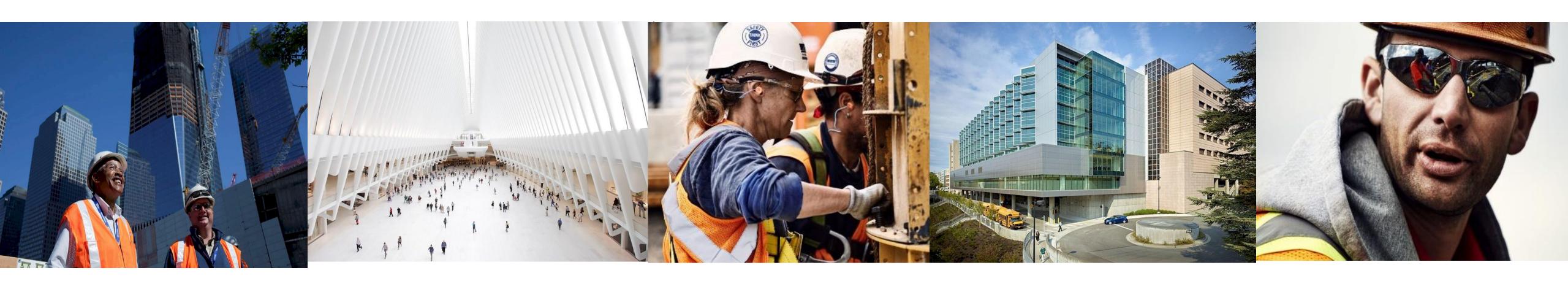


Skanska USA

- Three business units operate in the U.S.
 - Building
 - Civil
 - Commercial Development
- Revenues of \$8.1 billion in 2018
- Strong bonding capacity of \$10 billion
- Nearly 9,000 employees in 28 metro areas
- Contributed over \$3 million in Community Investment including donations, volunteered time and sponsorships



Business Units in the U.S.



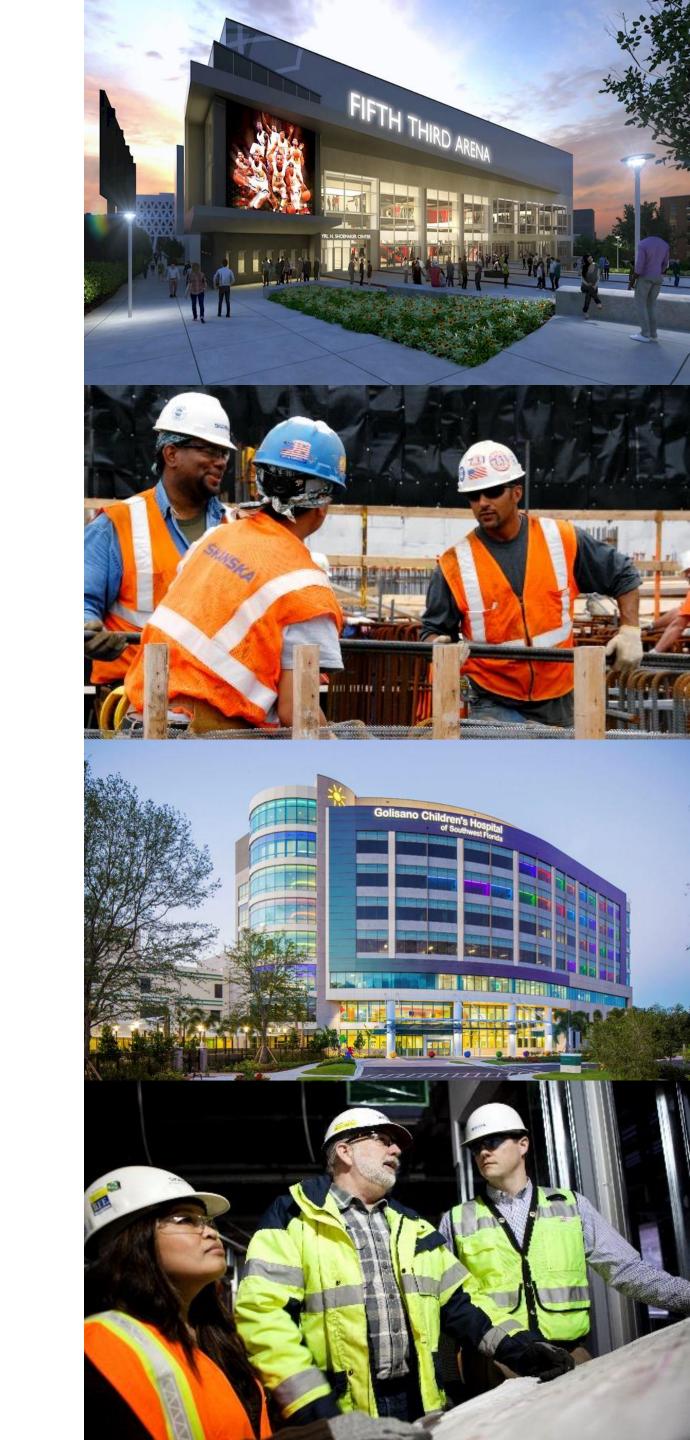
USA Building

USA Civil

Commercial Development

Skanska USA Building

- 2018 revenue: \$5.3 billion
- More than 3,300 employees
- Headquarters in Parsippany, New Jersey
- Delivery method: construction management
 - Low risk, low margin, high return on capital
- Key Market Segments
 - Healthcare
 - Education
 - Mission Critical/data operation centers
 - Government
 - Corporate Offices
 - Life Sciences
 - Sports and Entertainment
 - Aviation



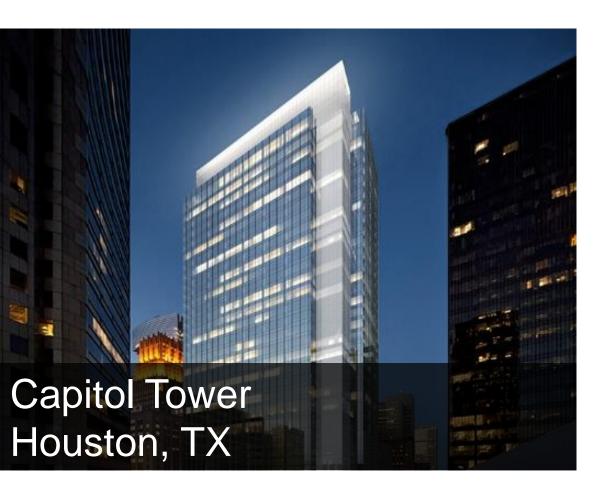
Skanska USA Civil

- 2018 revenue: \$2.2 billion
- More than 7,000 employees
- Headquarters in Queens, New York
- Delivery method: Lump sum bid
 - Higher risk, higher margin
- Key Market Segments
 - Environment, DEP
 - Bridges
 - Roads
 - Ports
 - Power
 - Tunnels
 - Deep Foundations

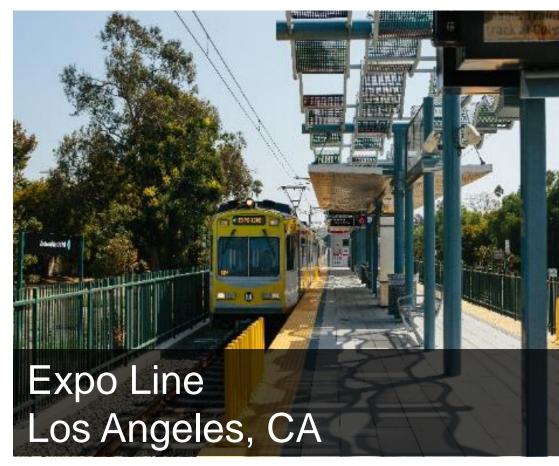
- Mechanical
- Water and Waste Water
- Transit
- Rail (Freight)
- Airports

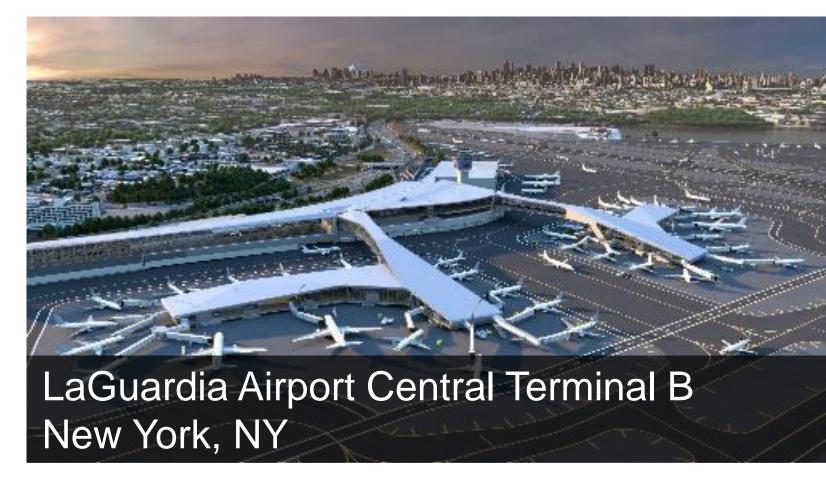


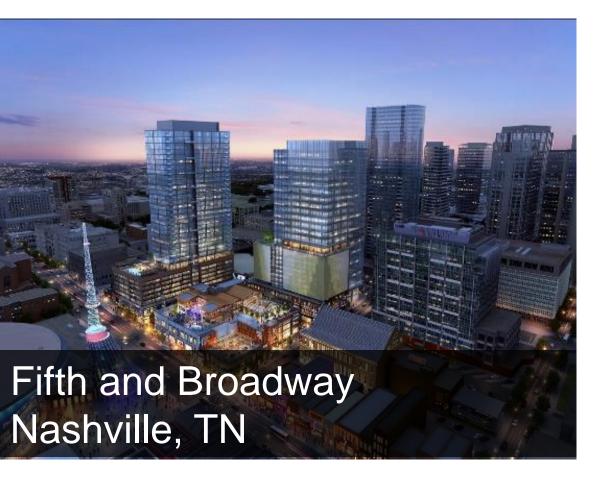
Project Highlights



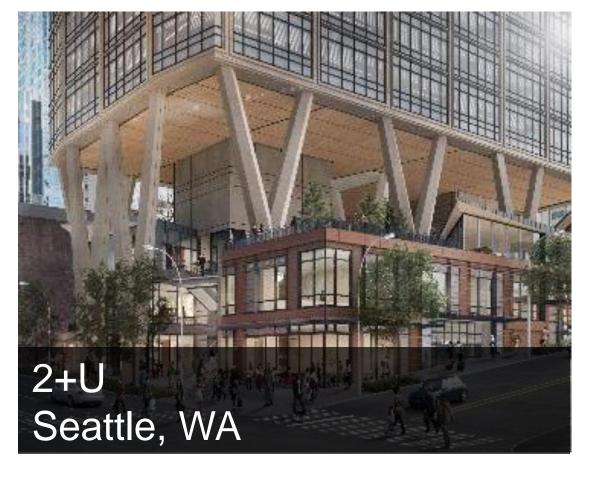


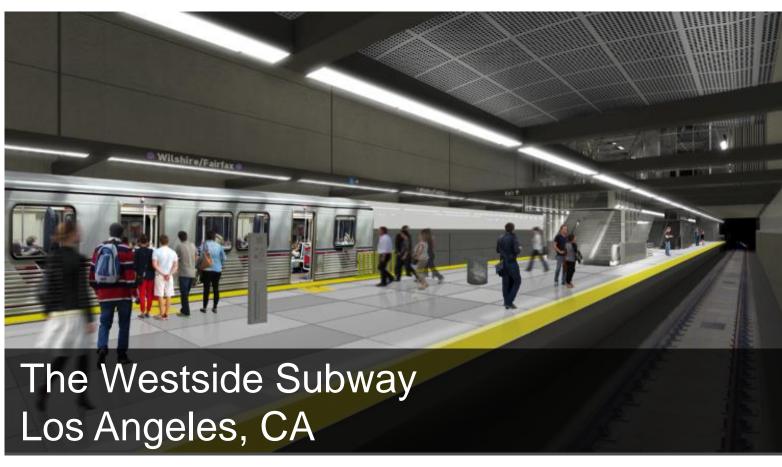






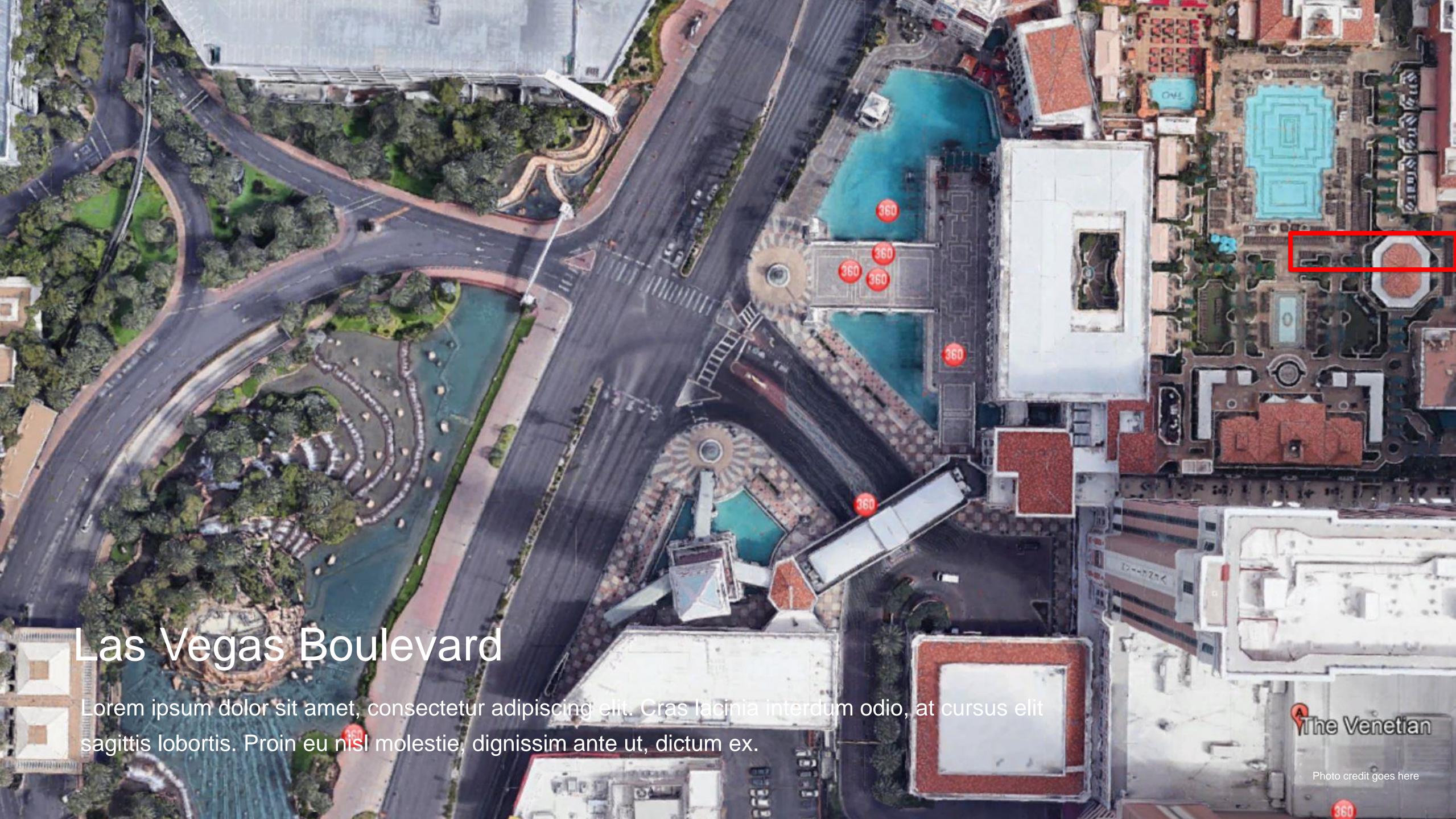


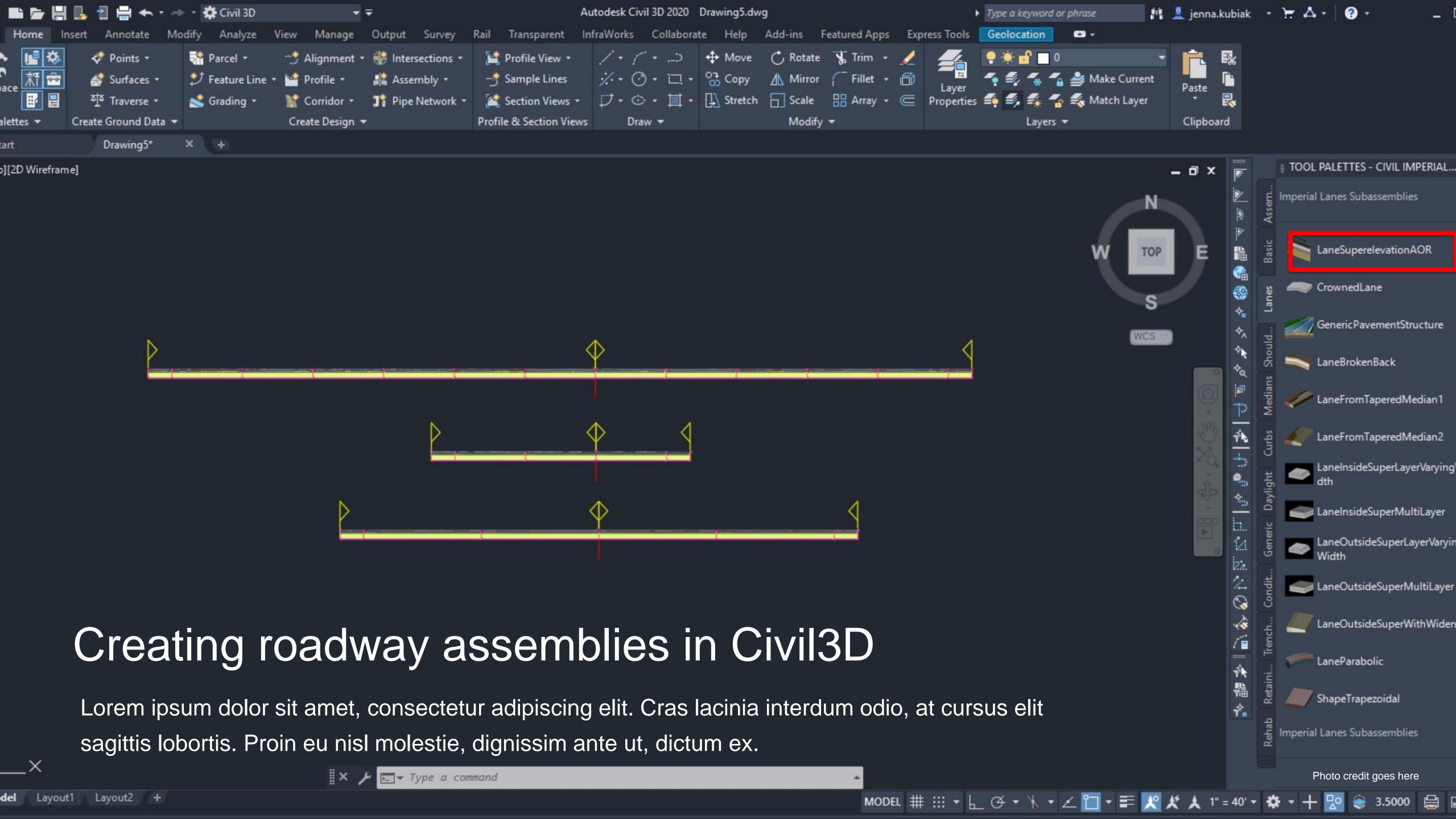


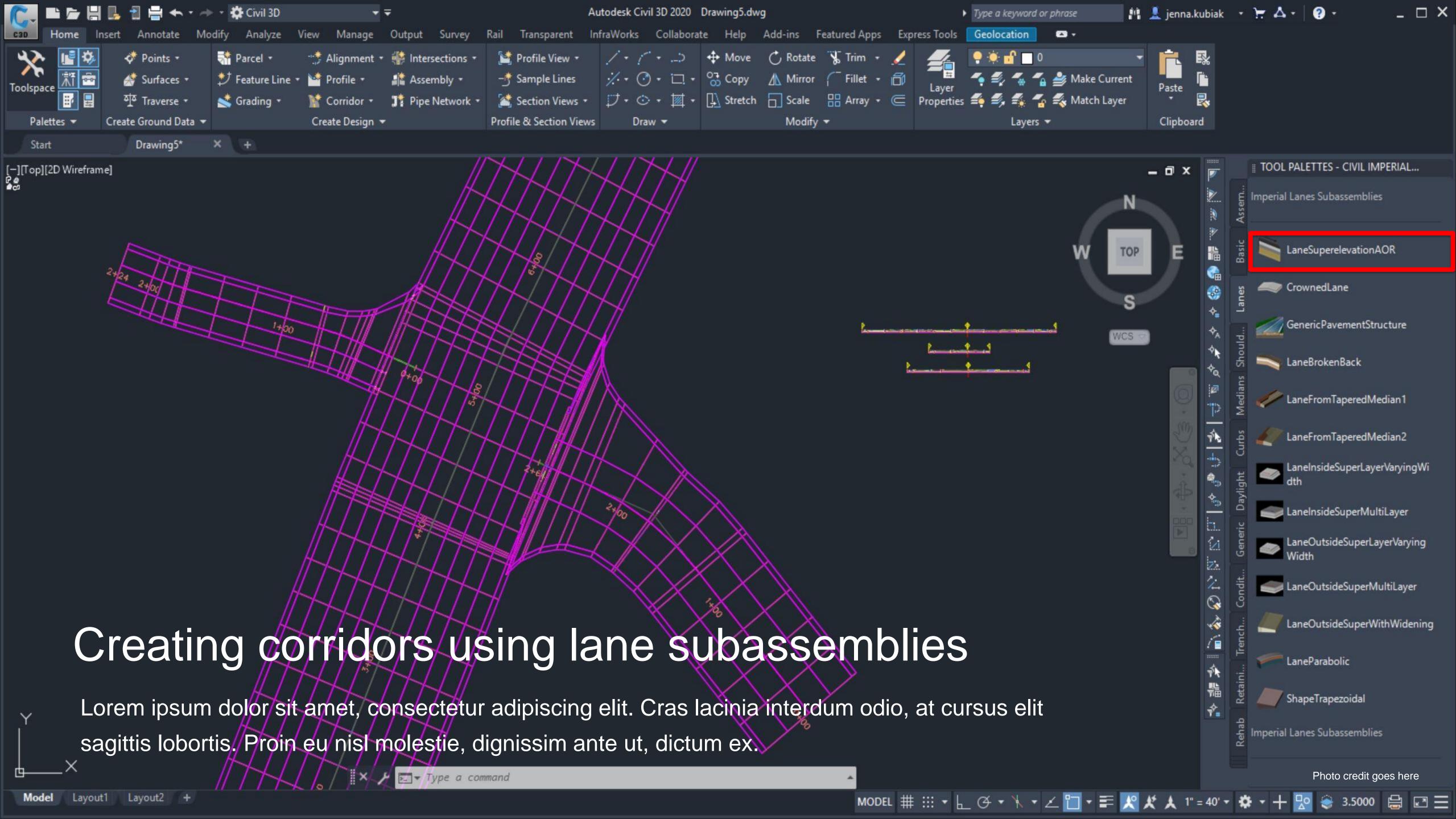


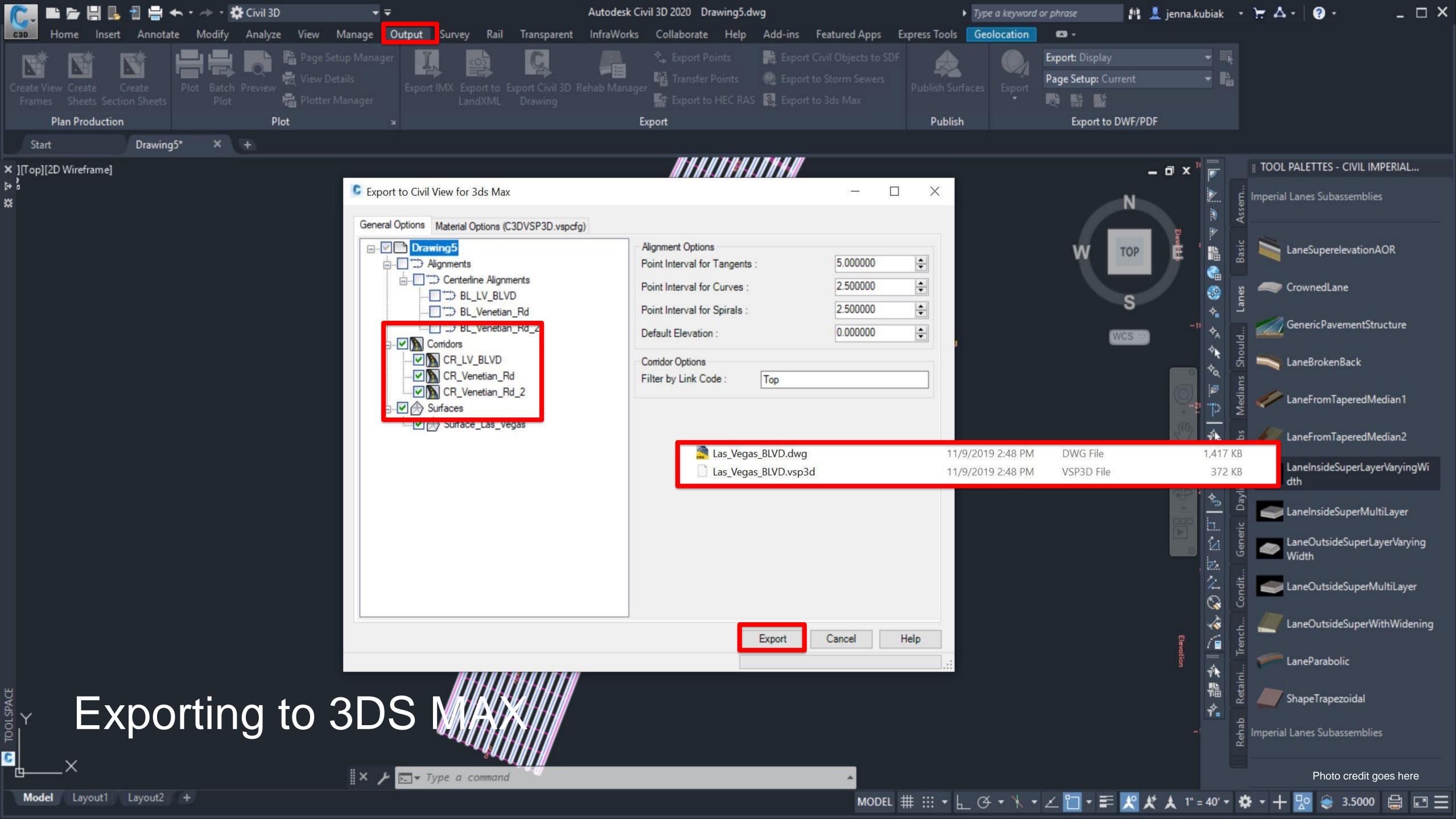
Who is familiar with roadway design in Civil 3d?

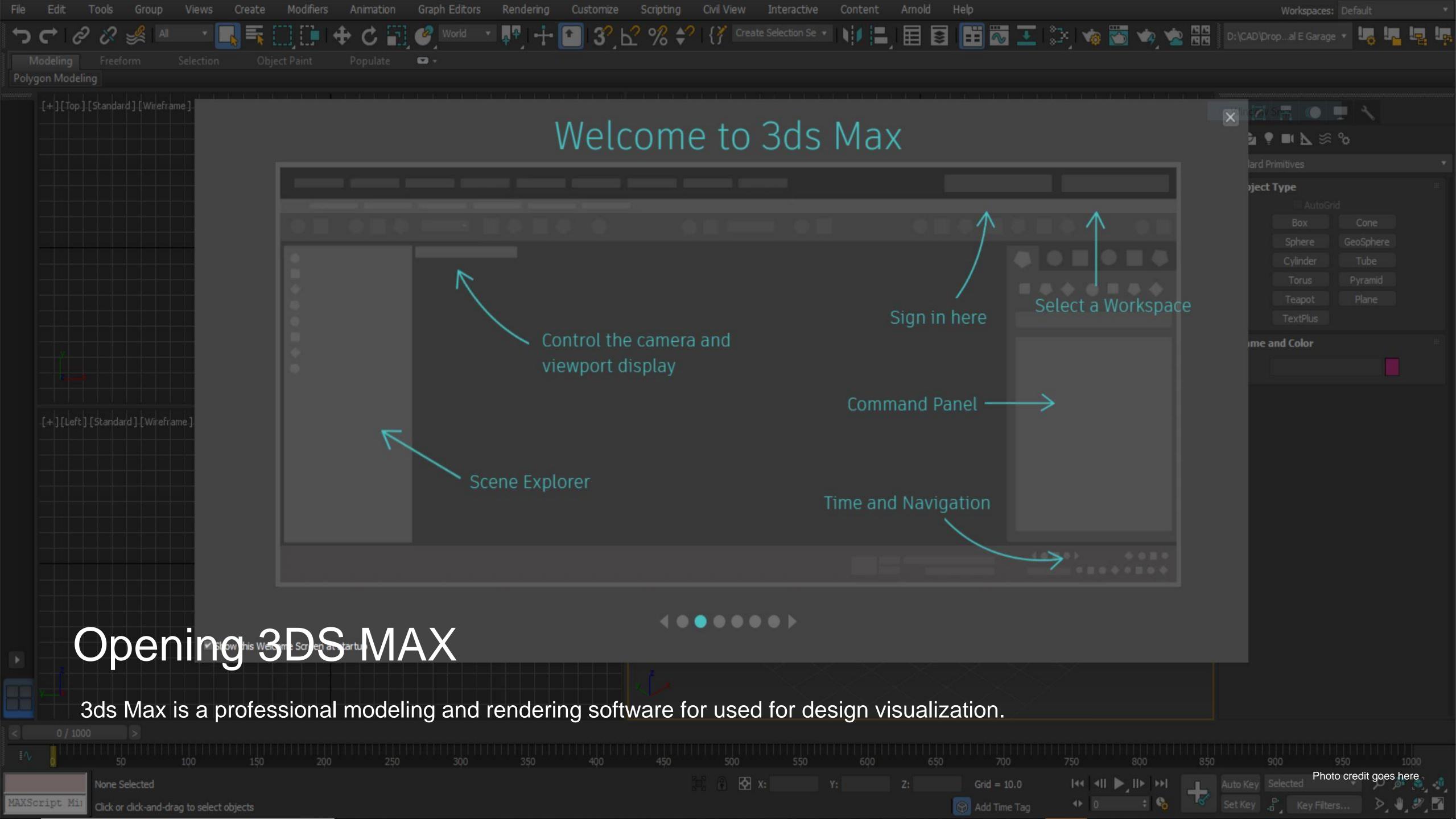
Who has worked with 3ds Max Design?

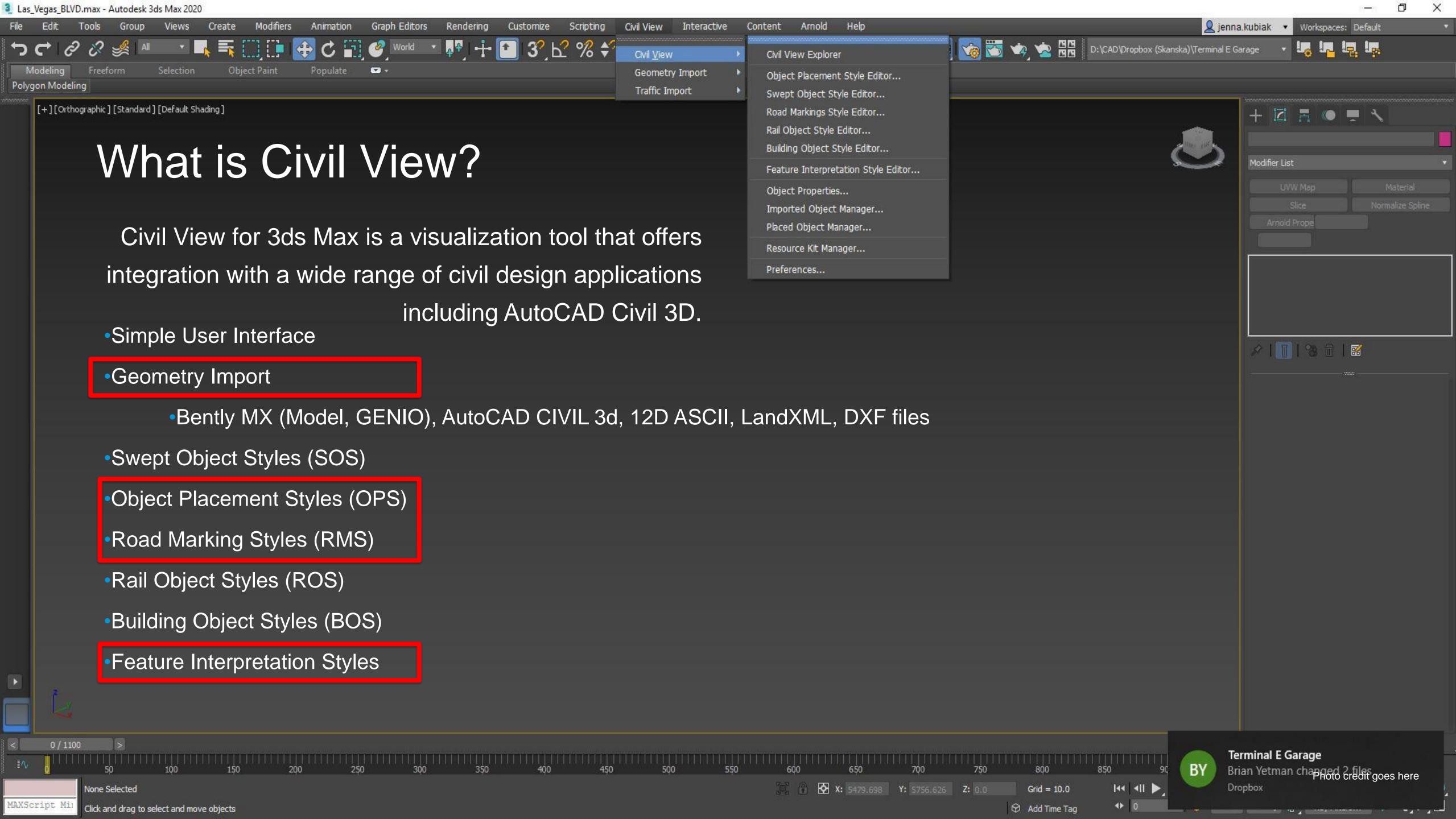


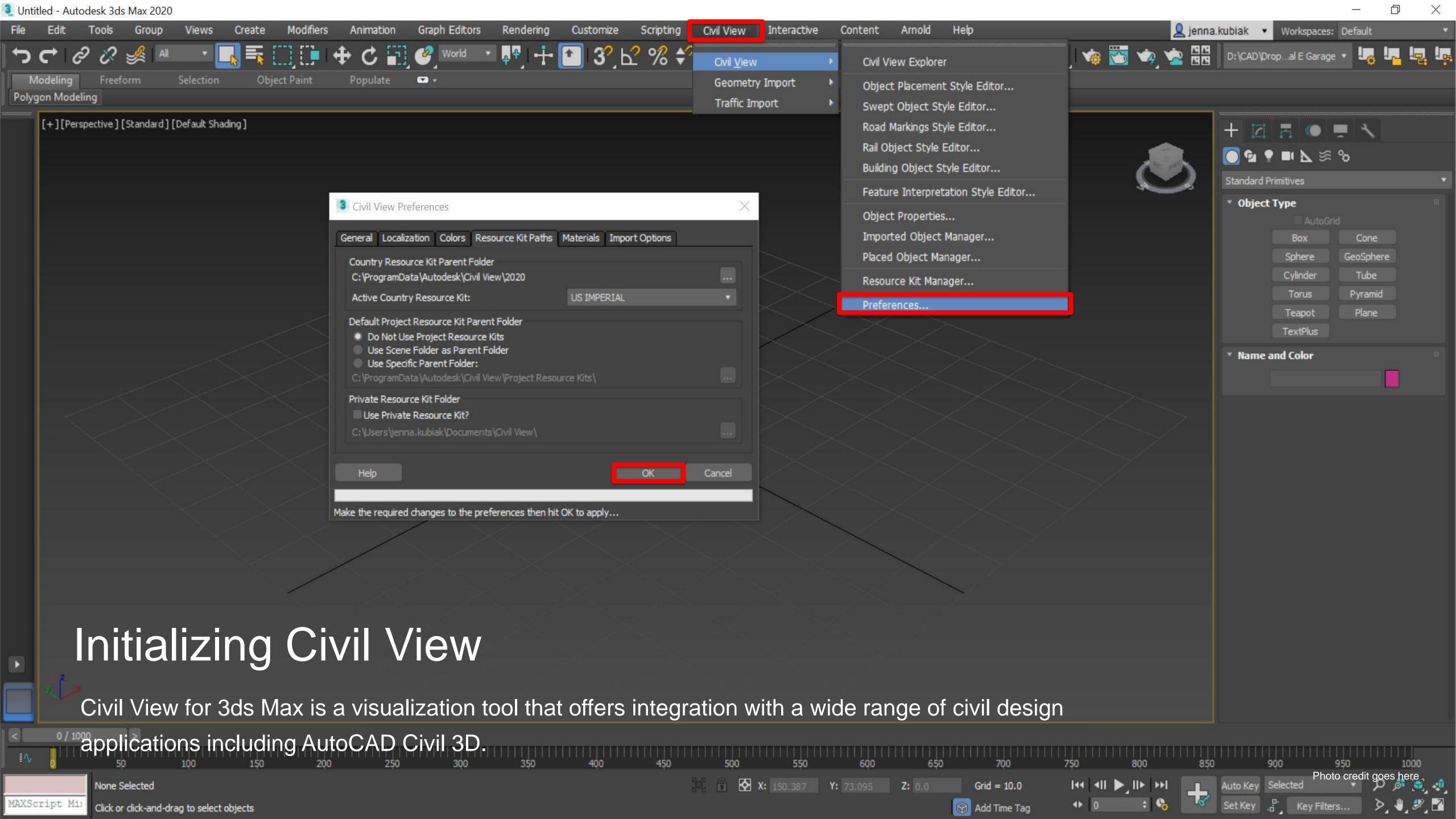


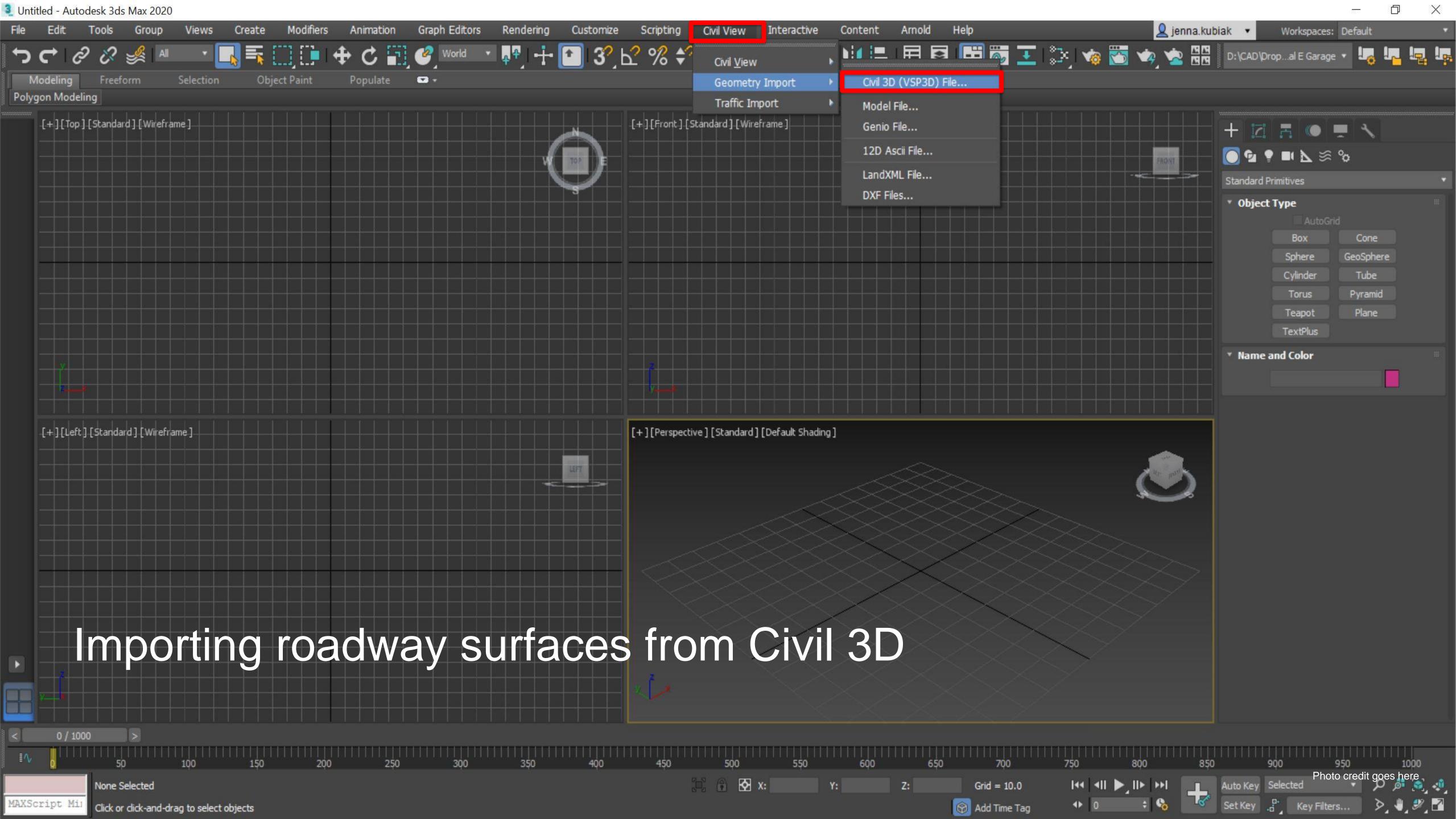


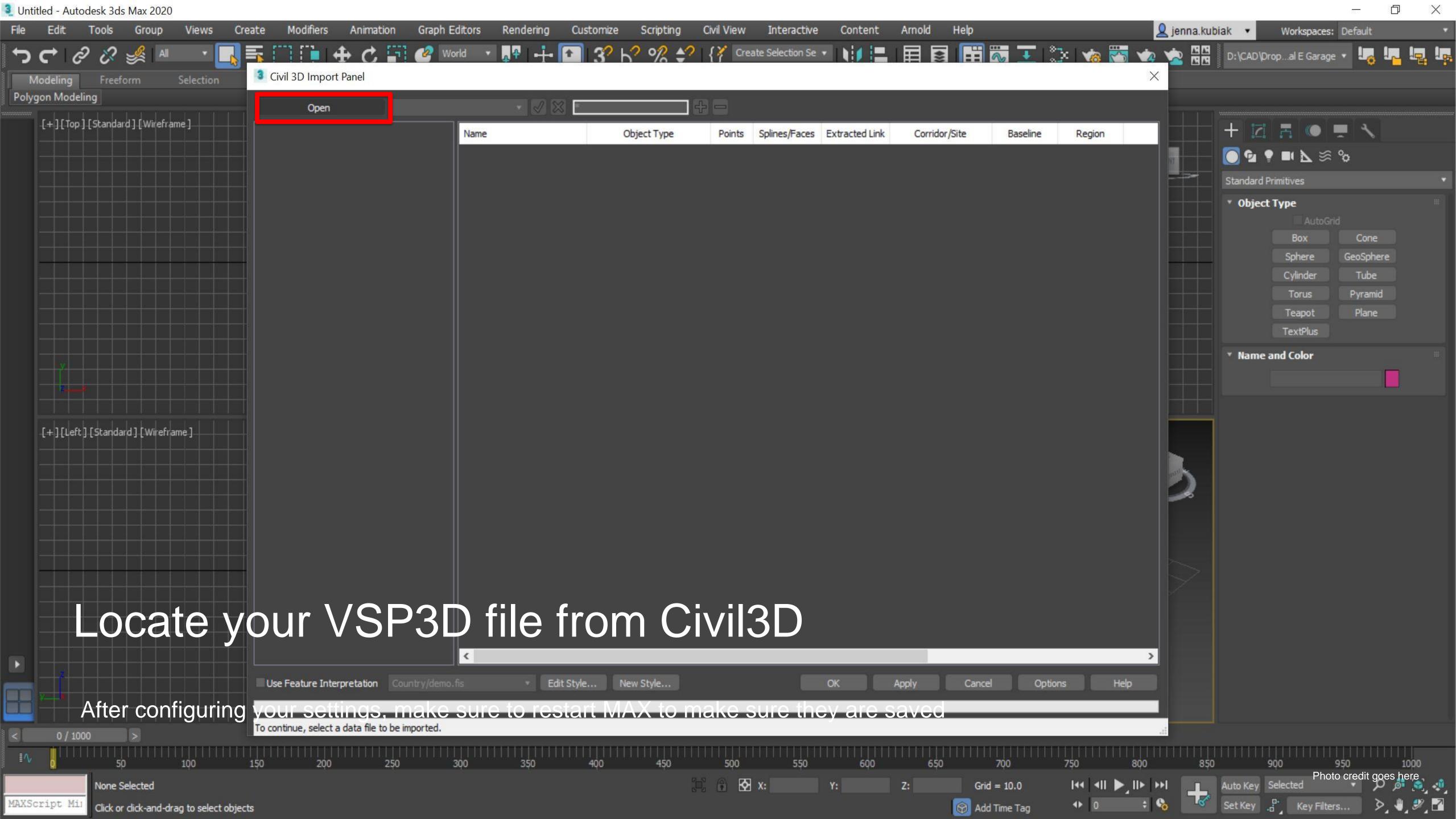


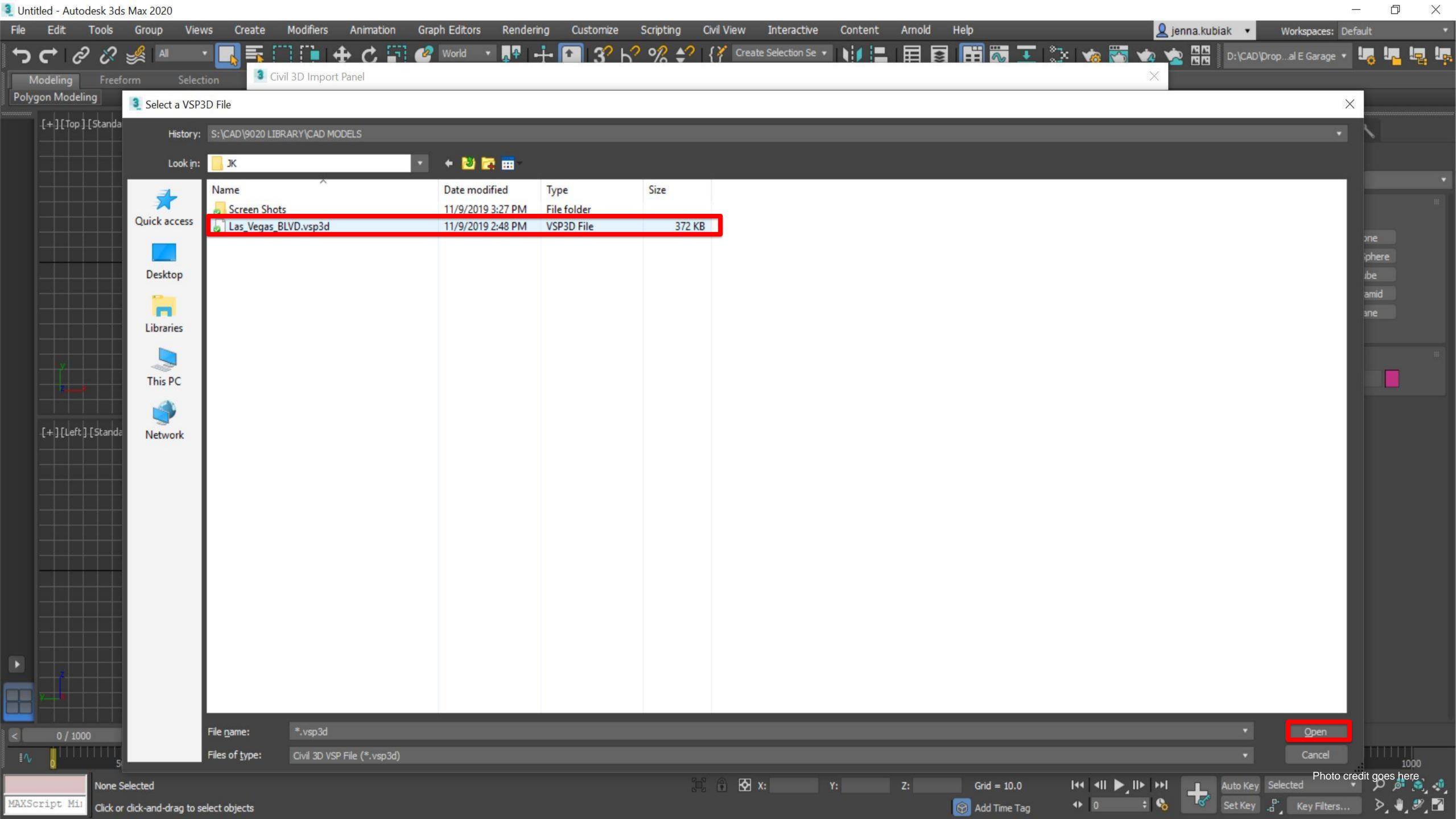


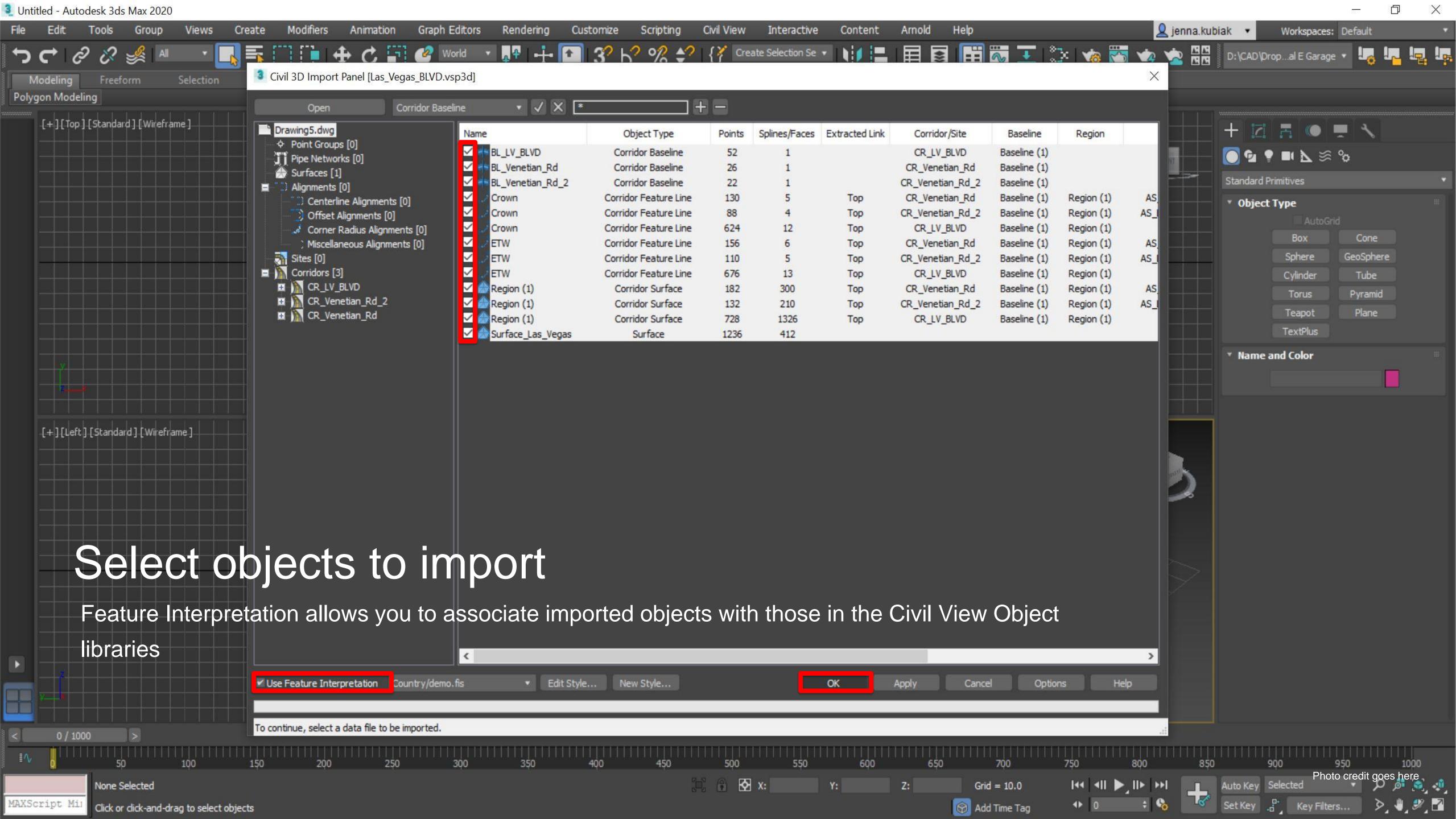


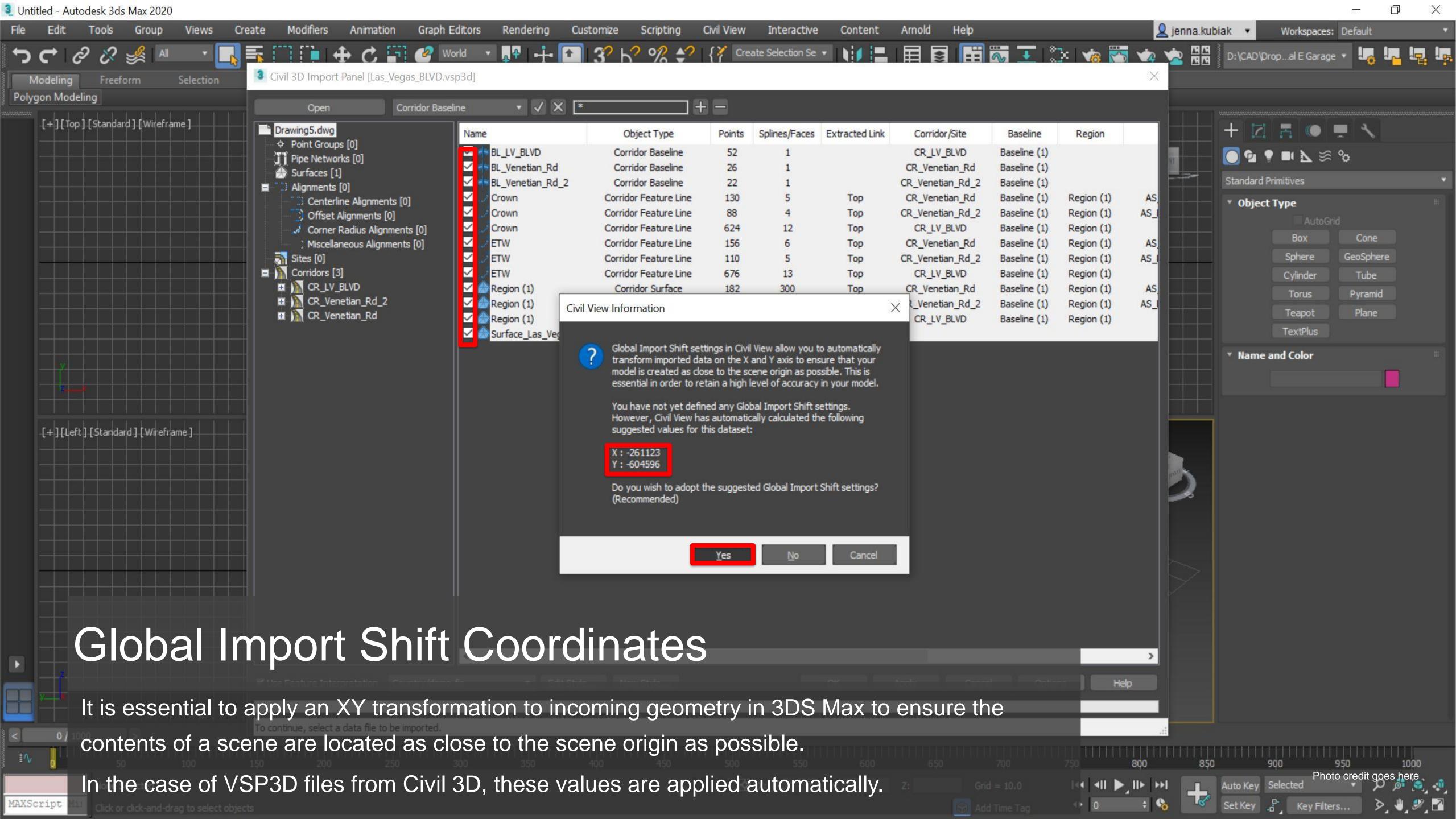


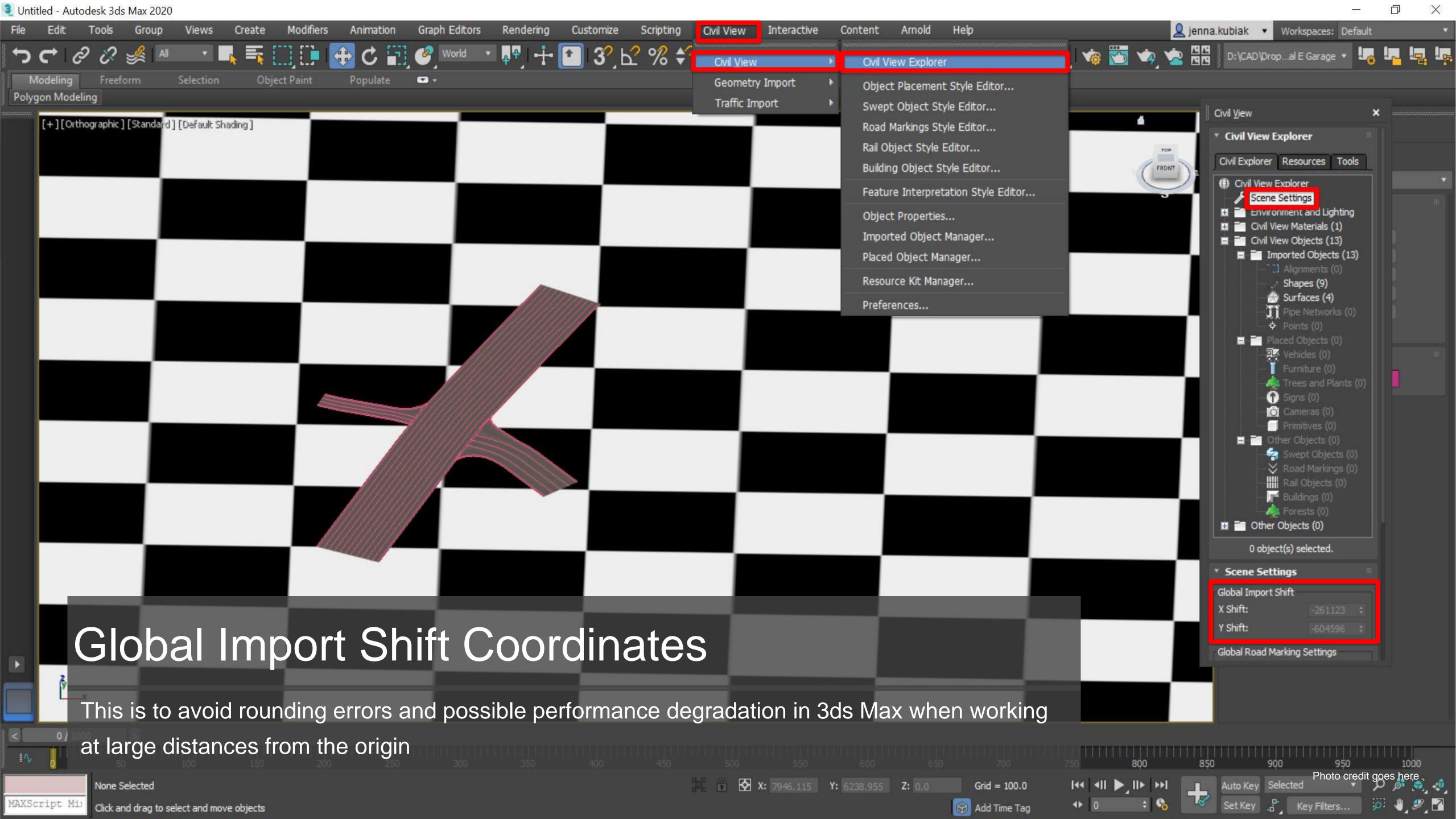


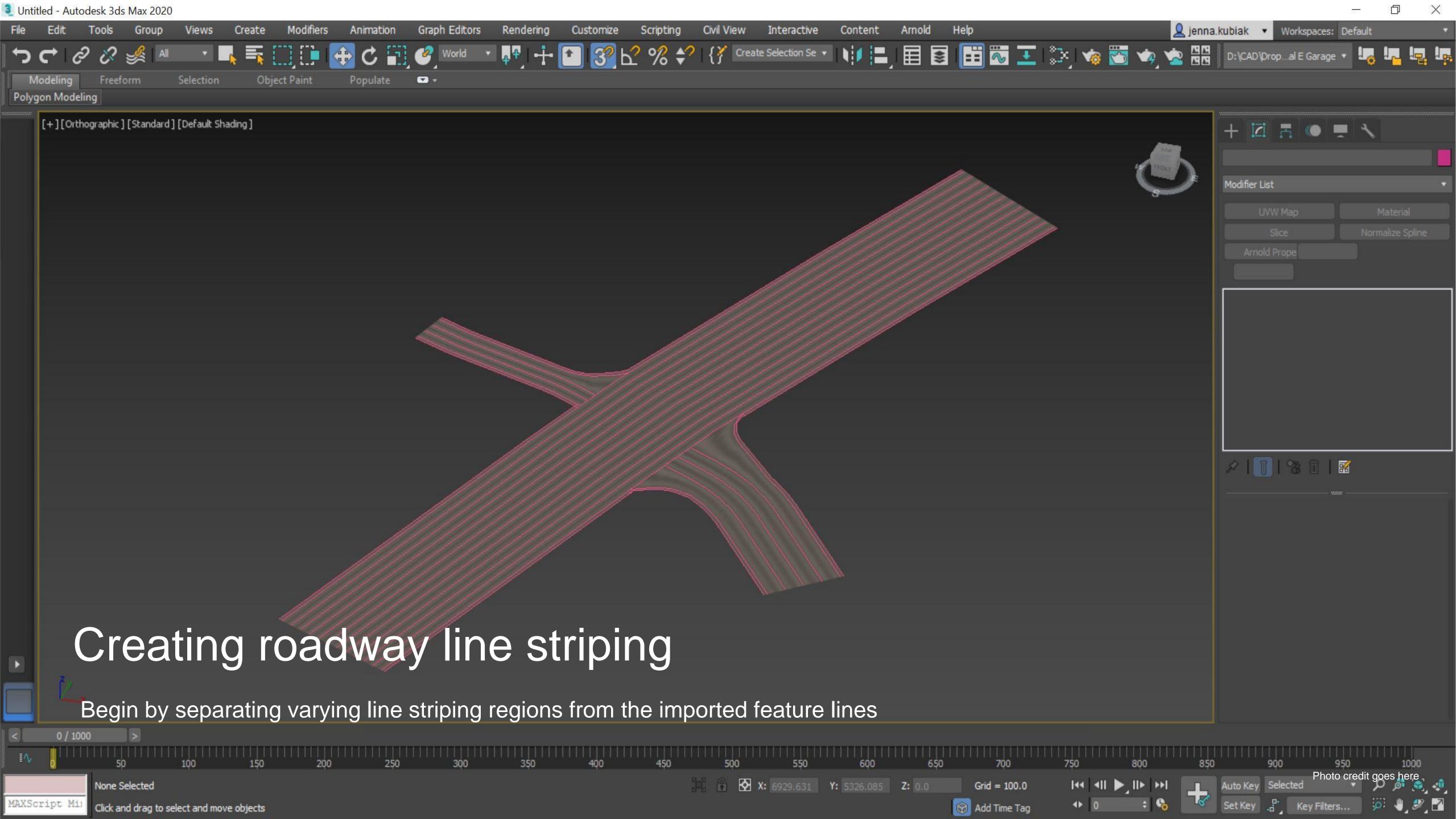


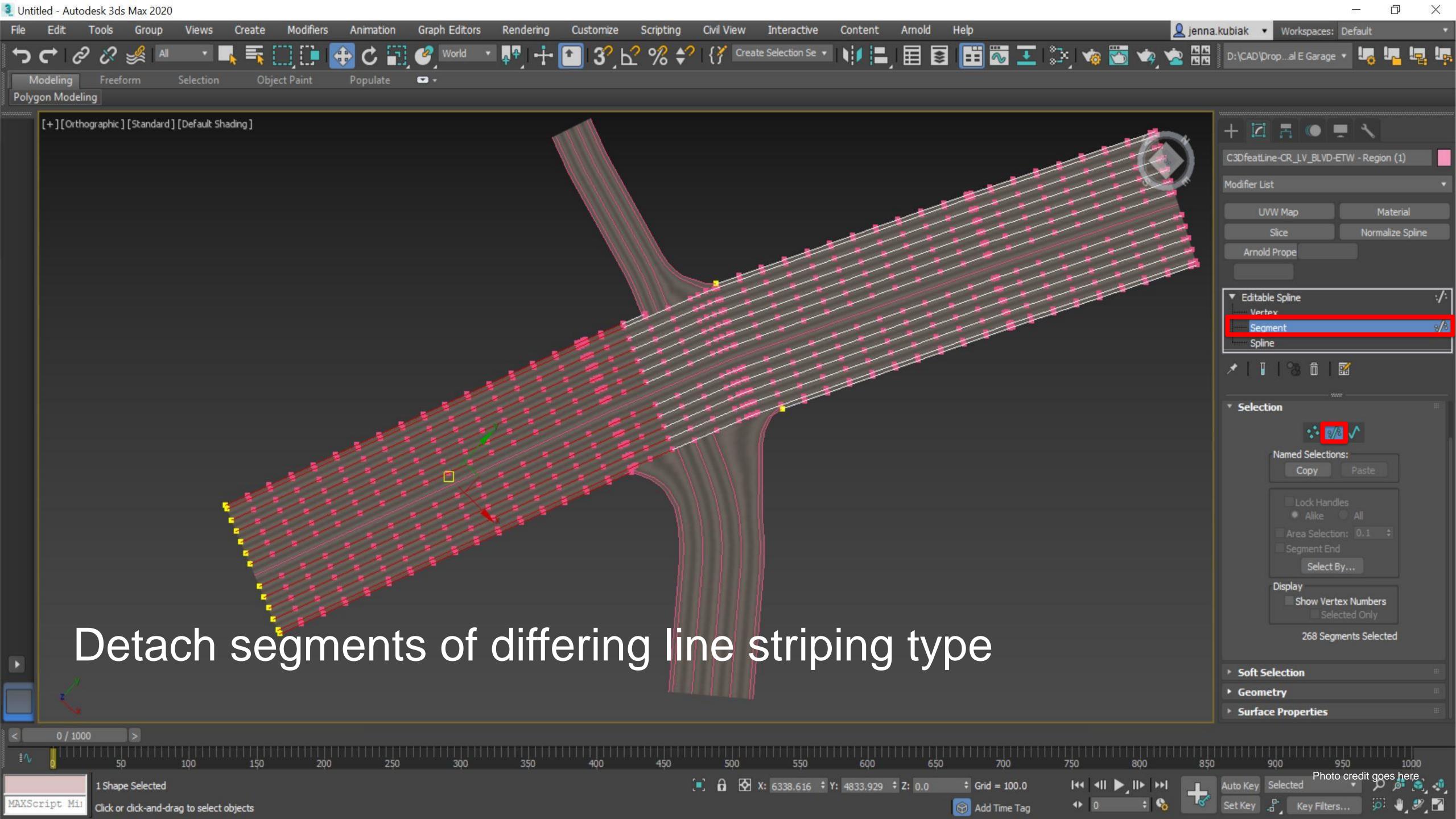


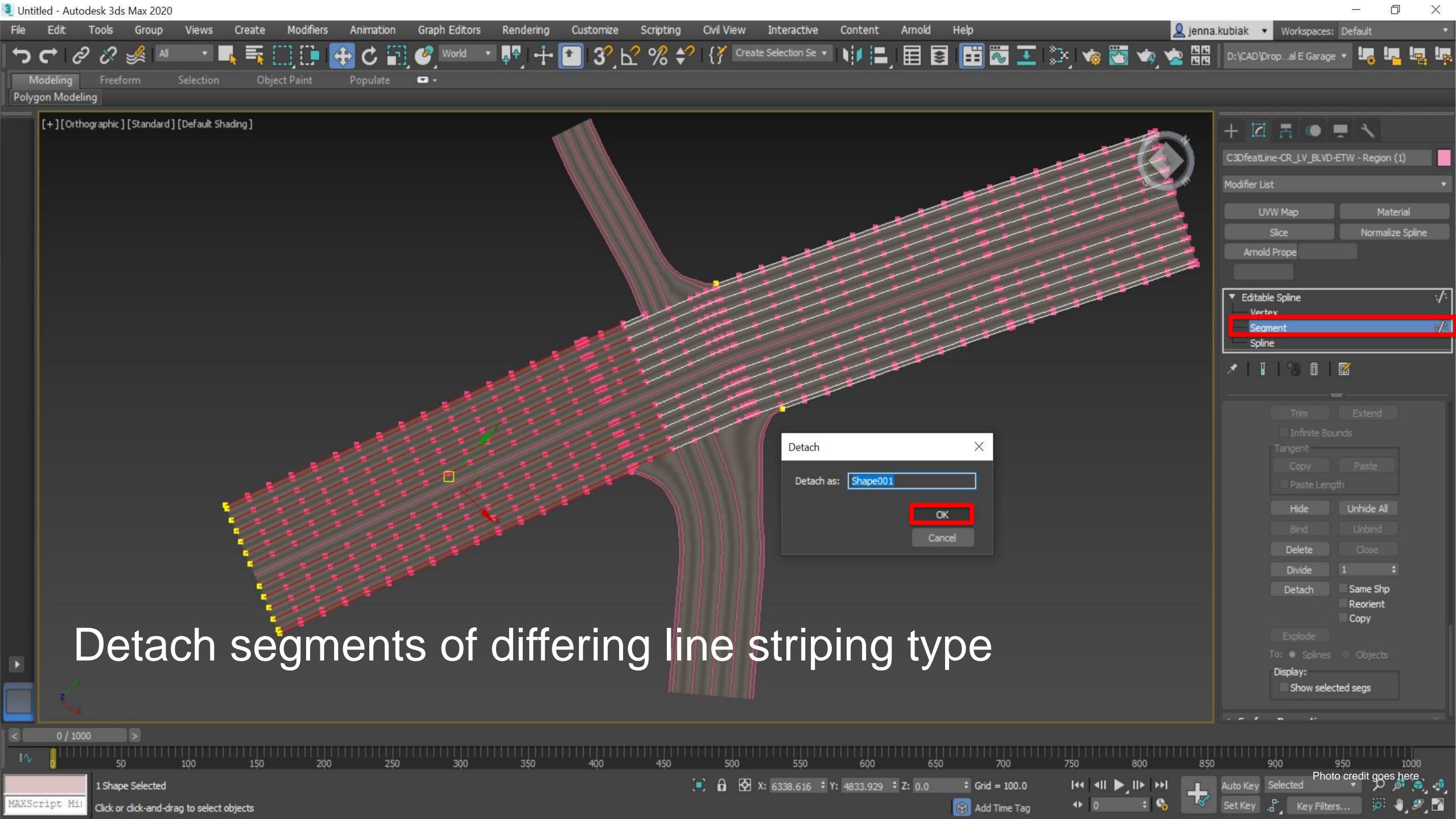


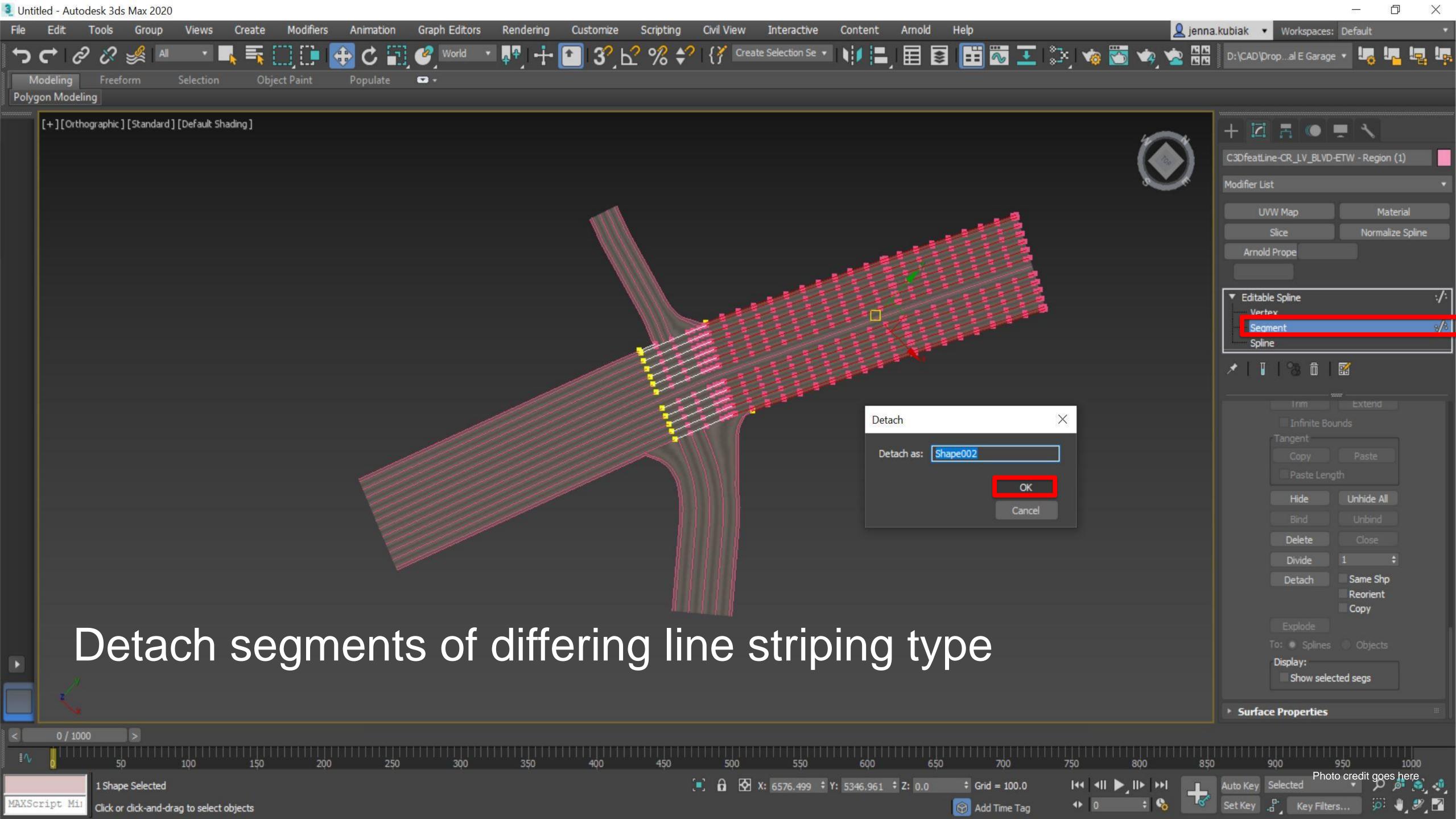


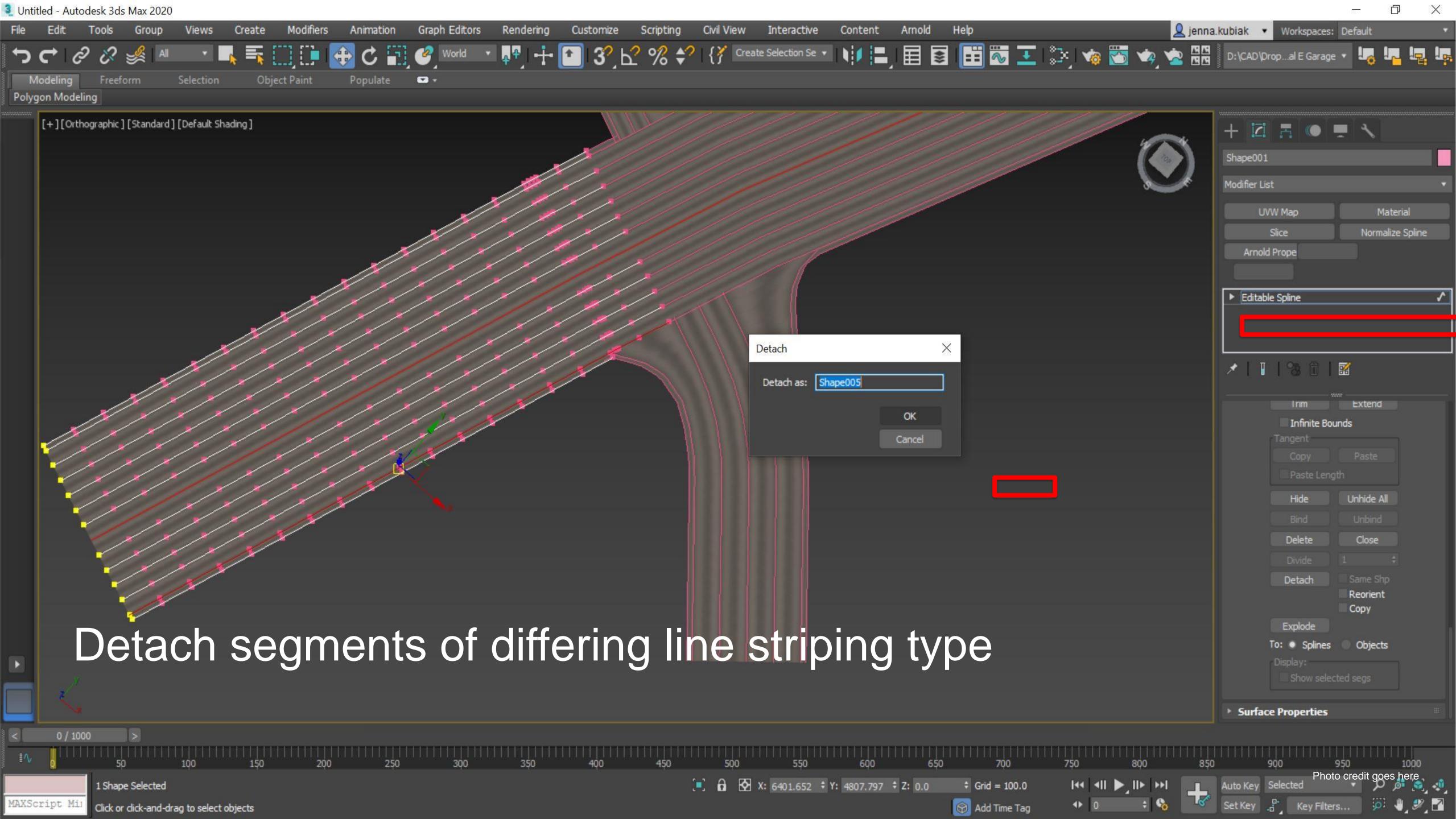


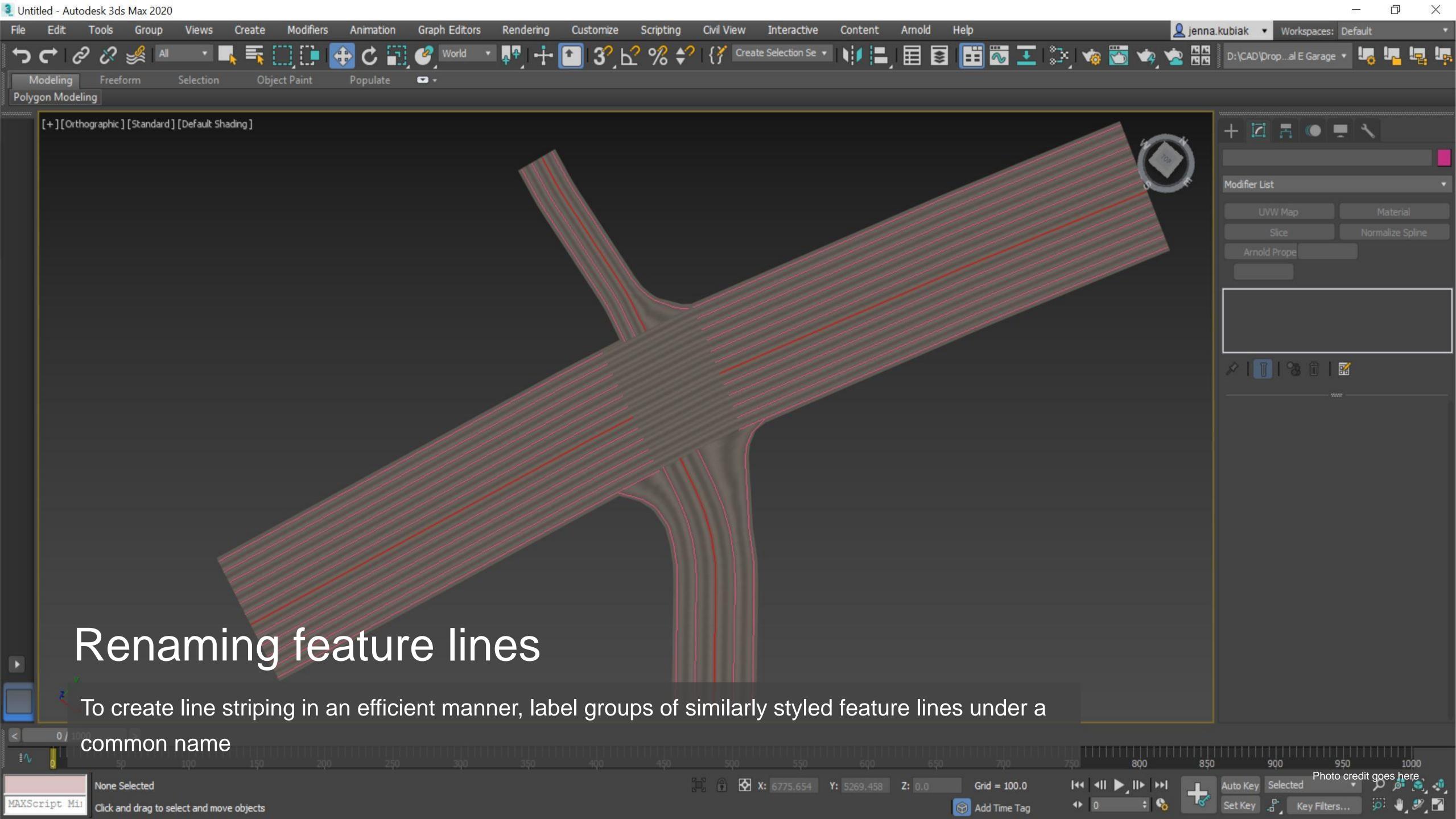


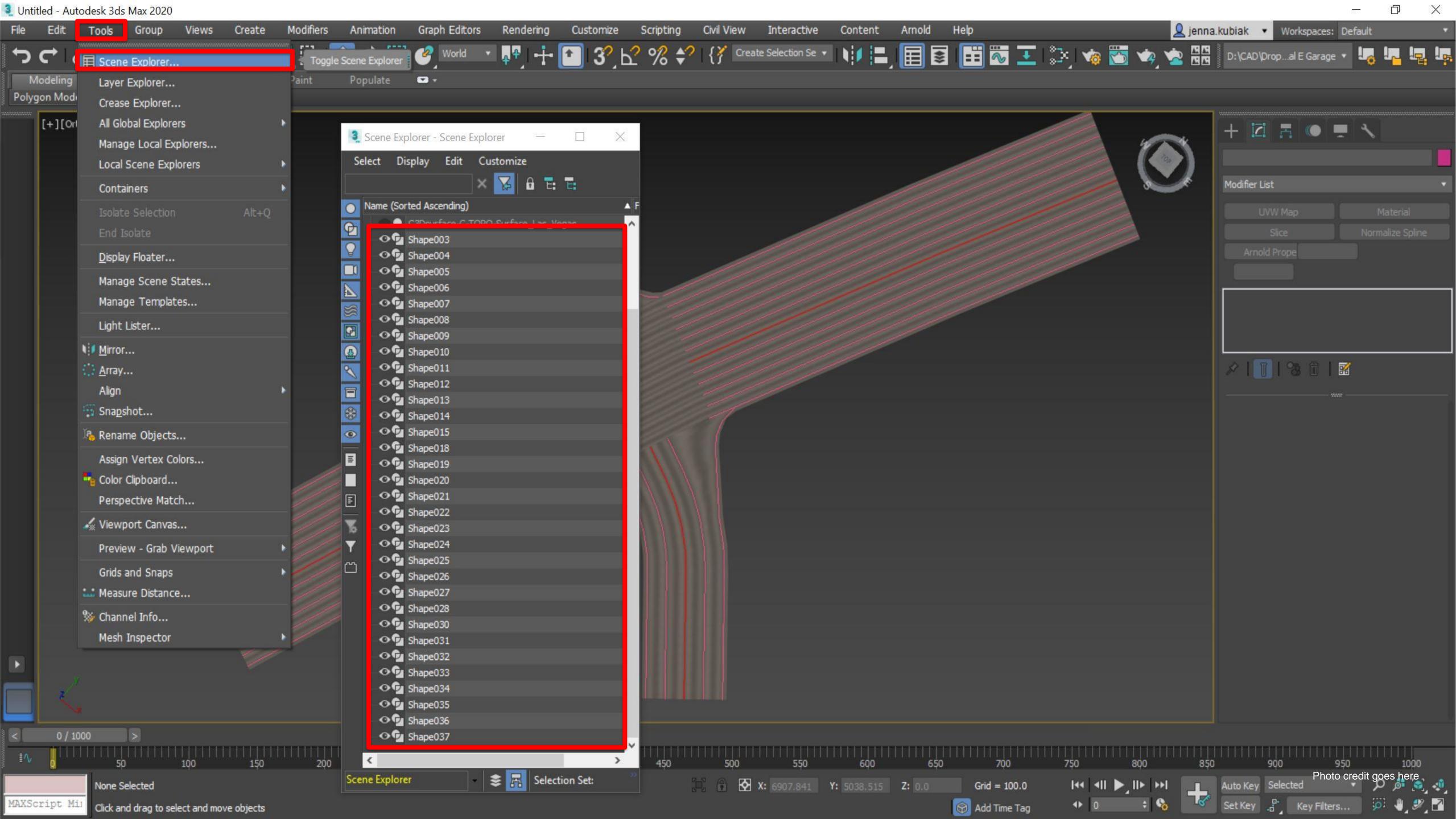


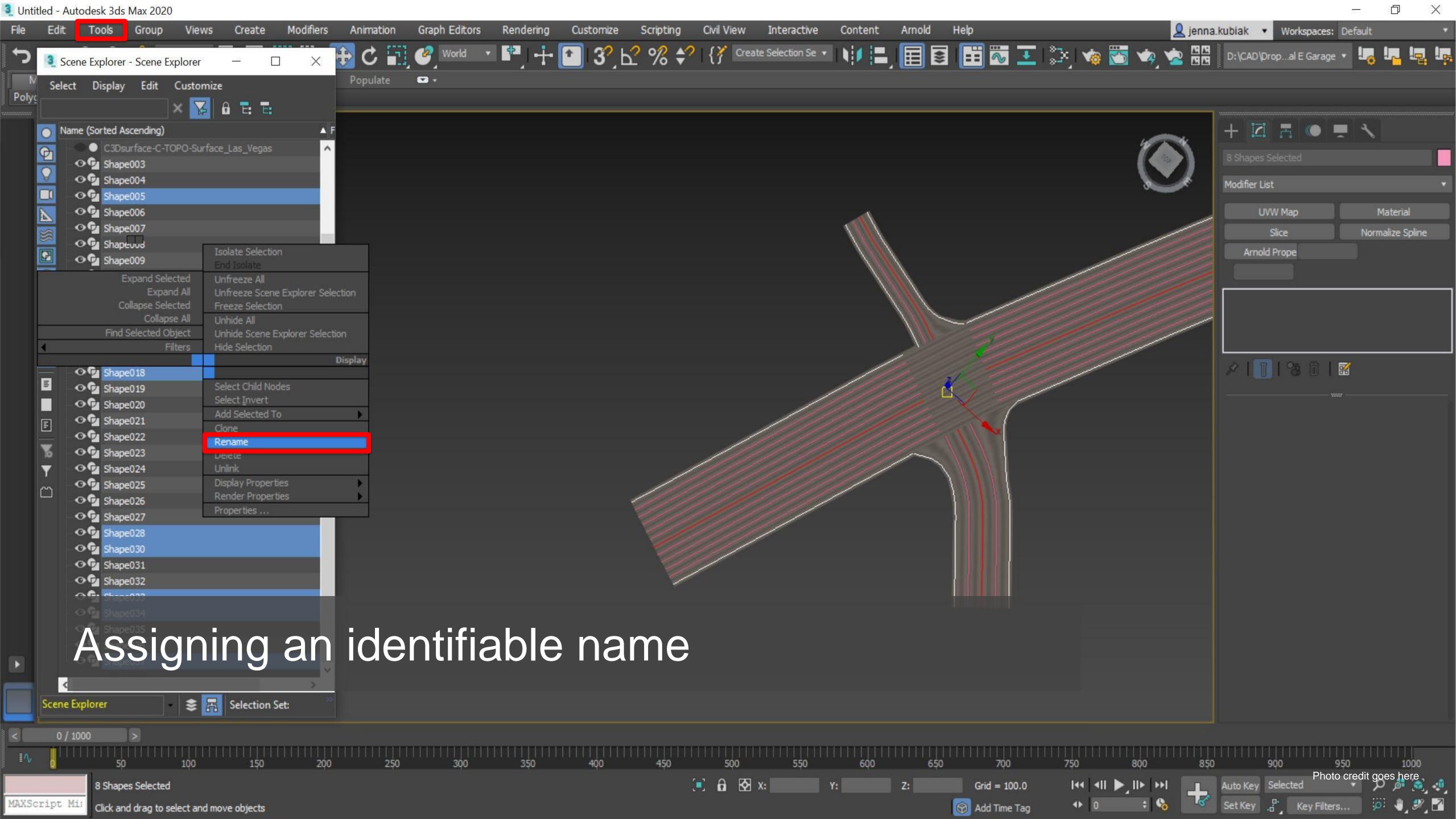


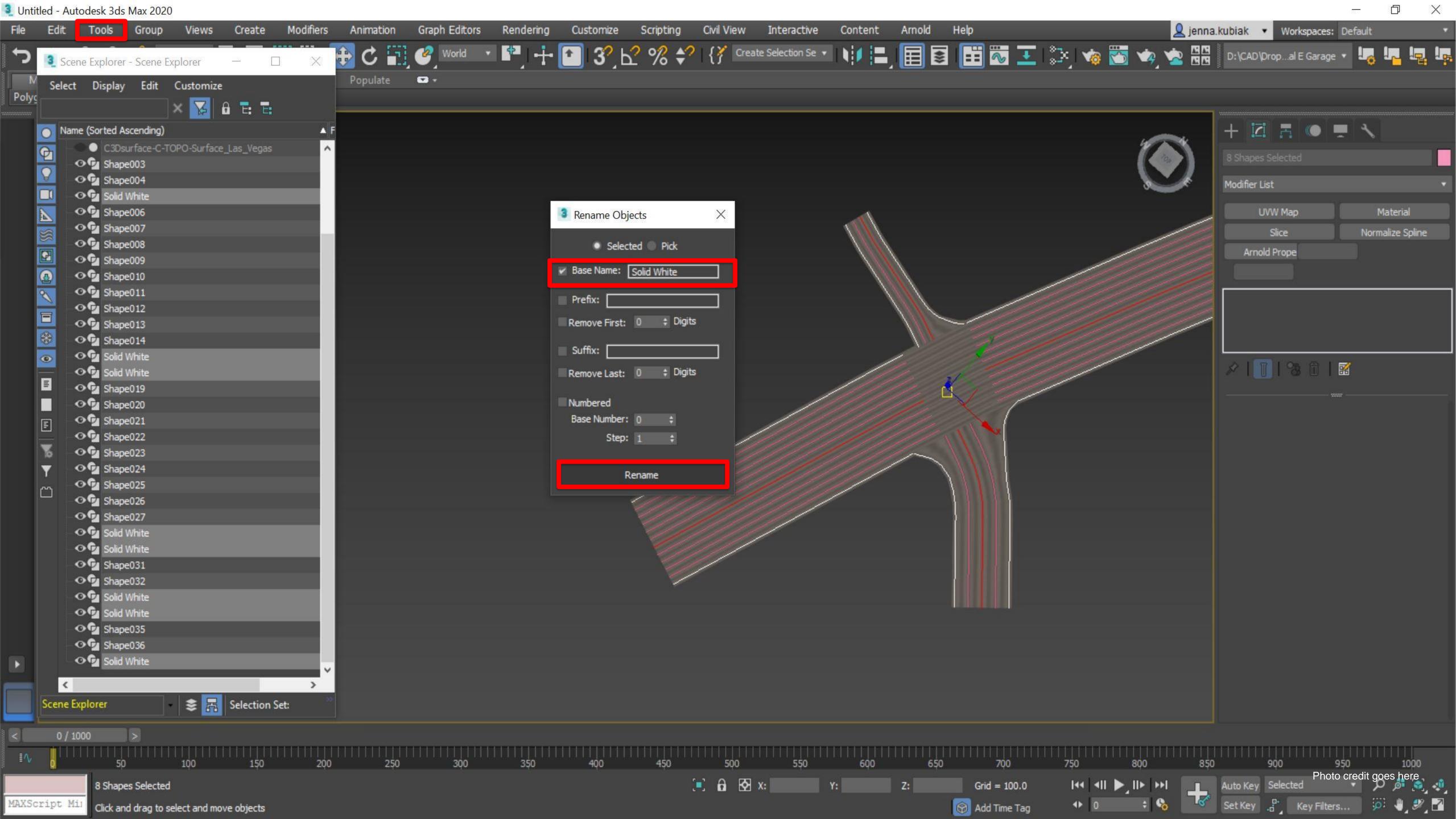


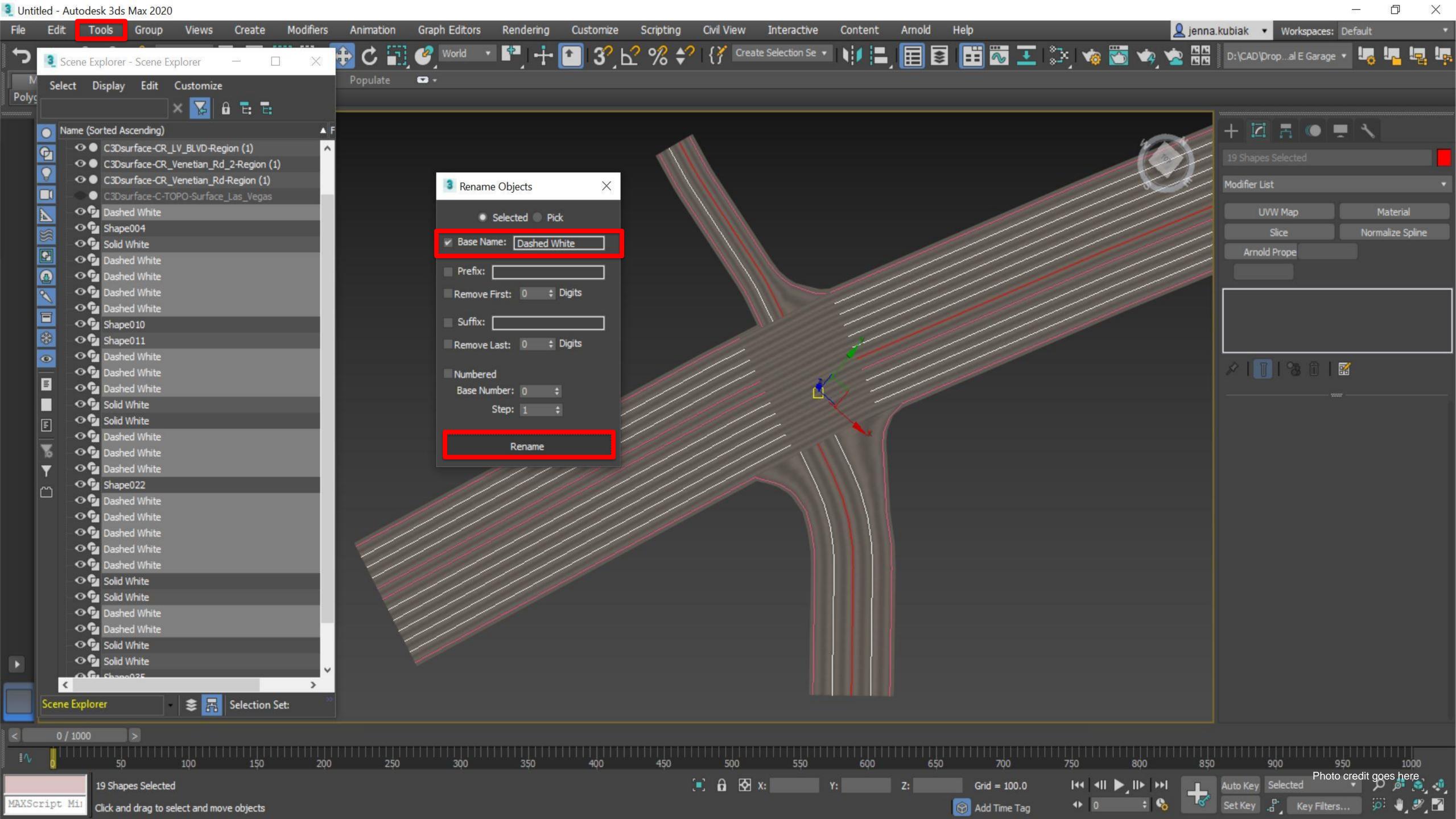


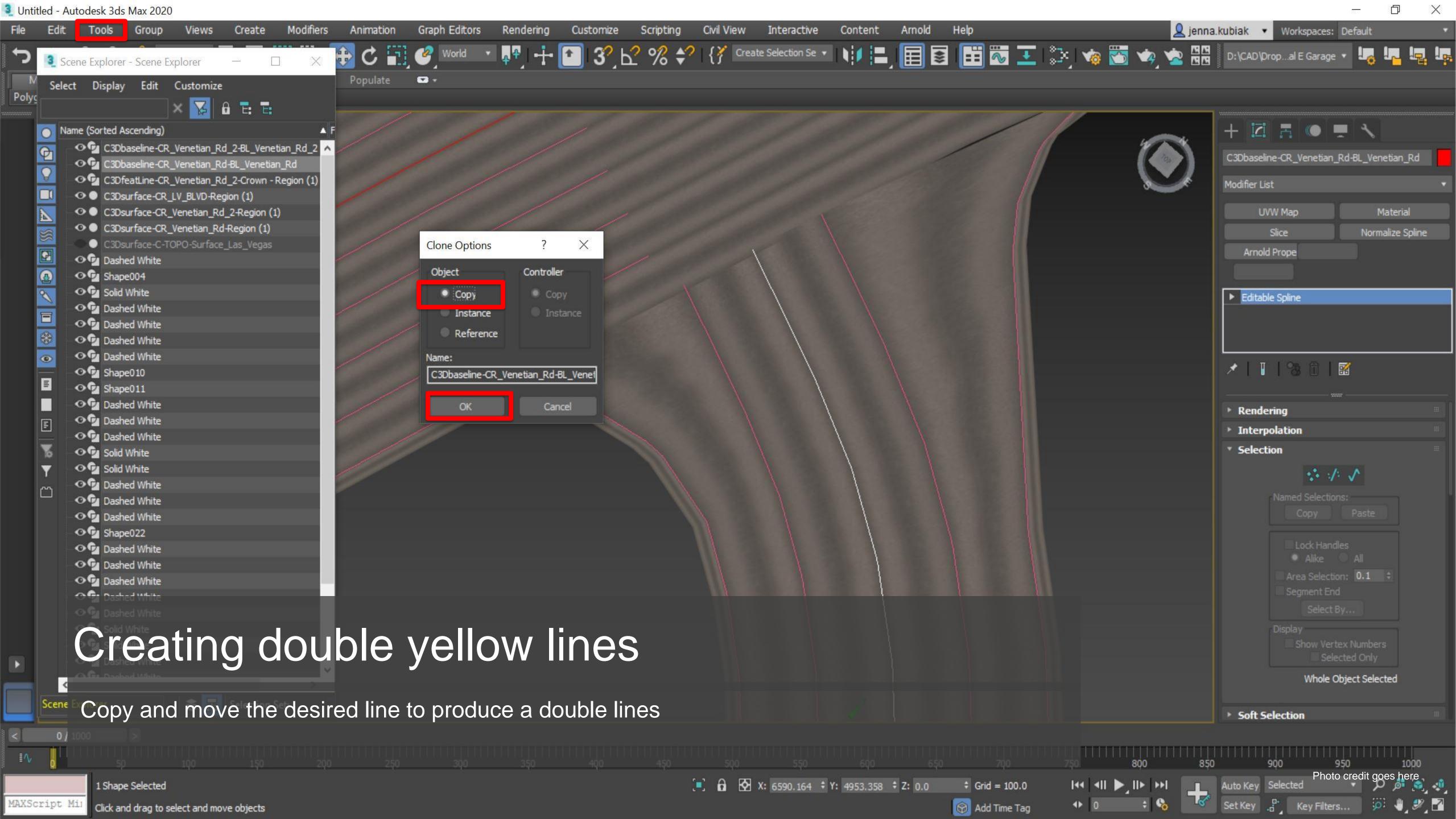


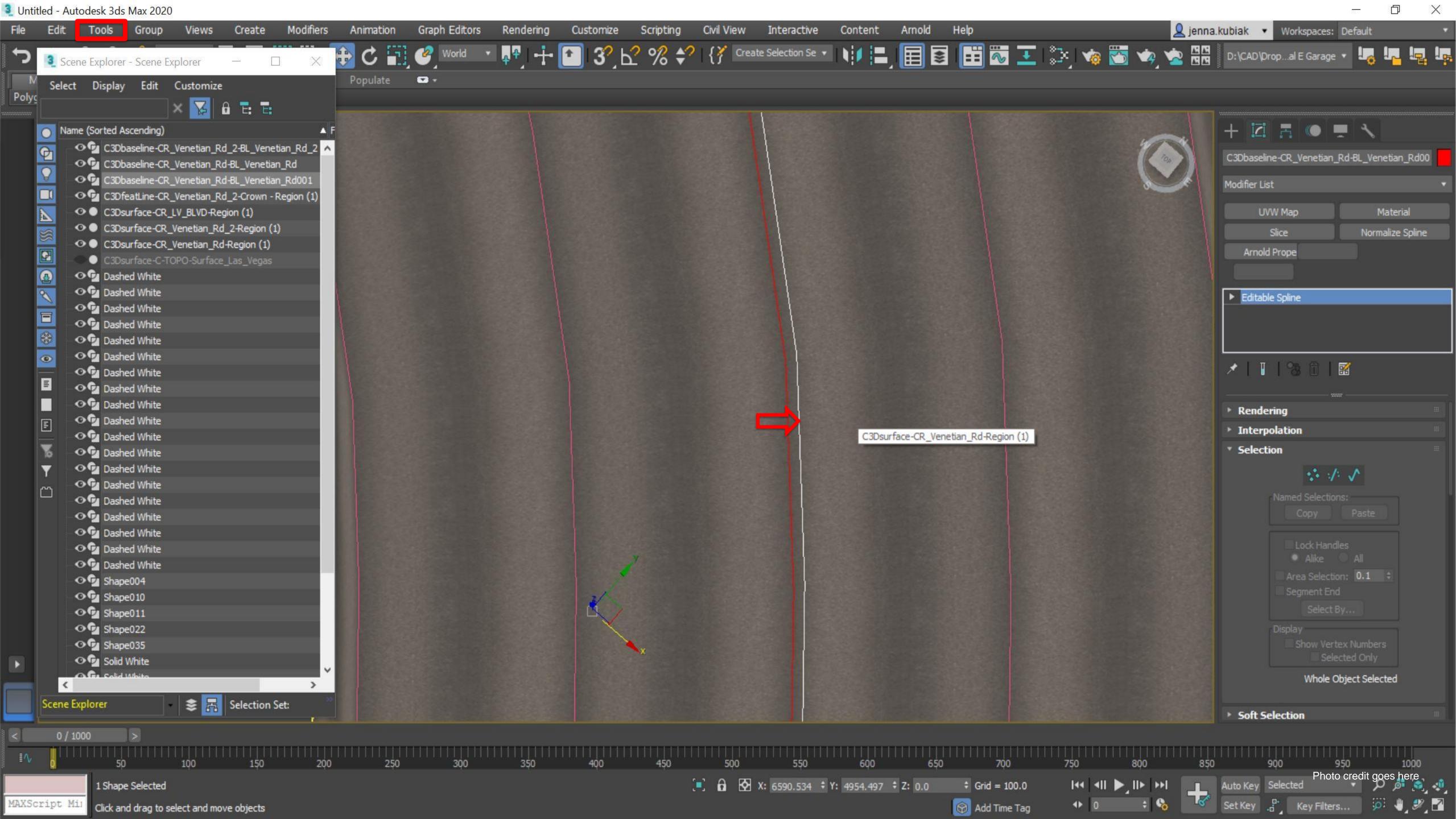


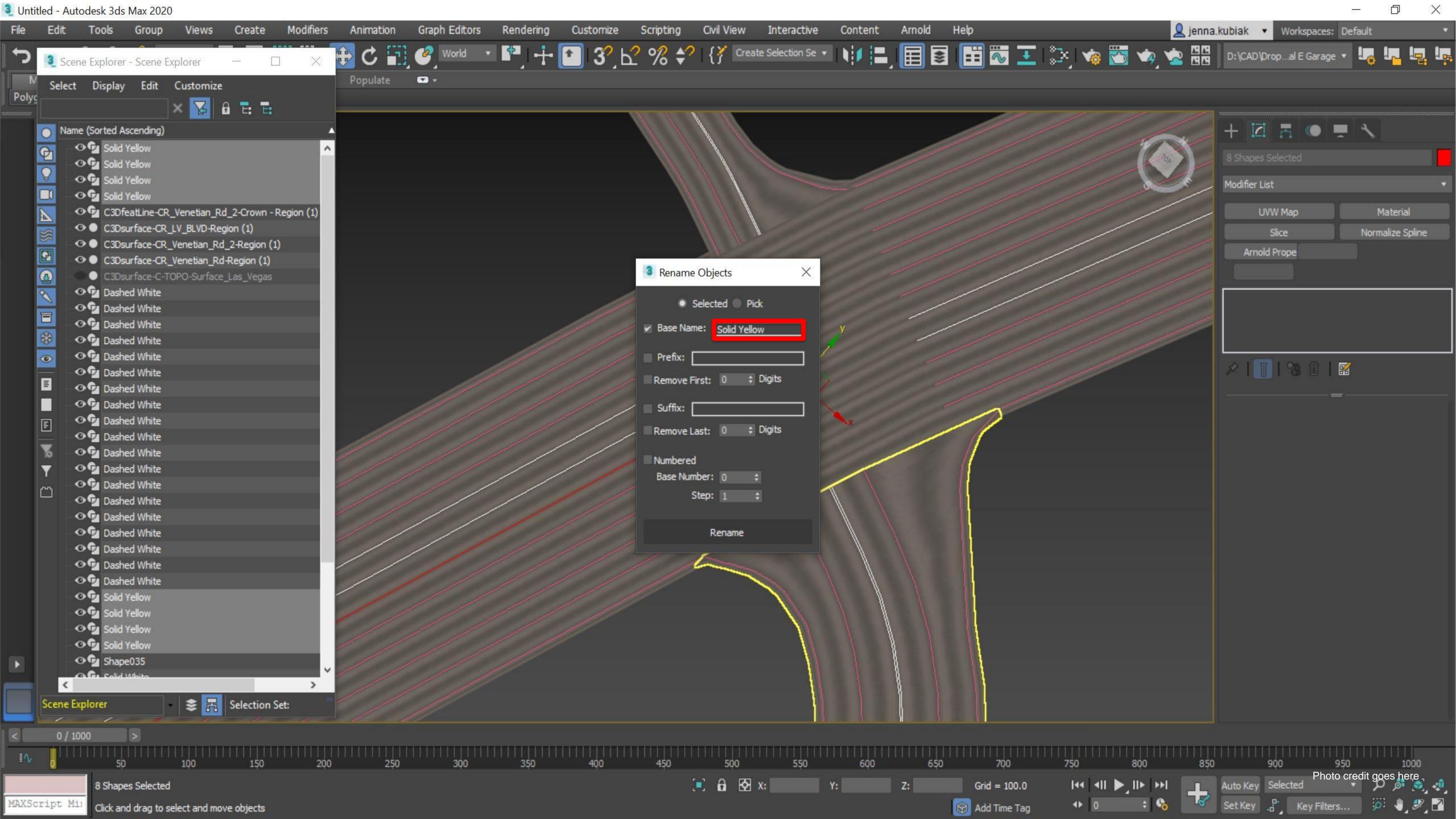


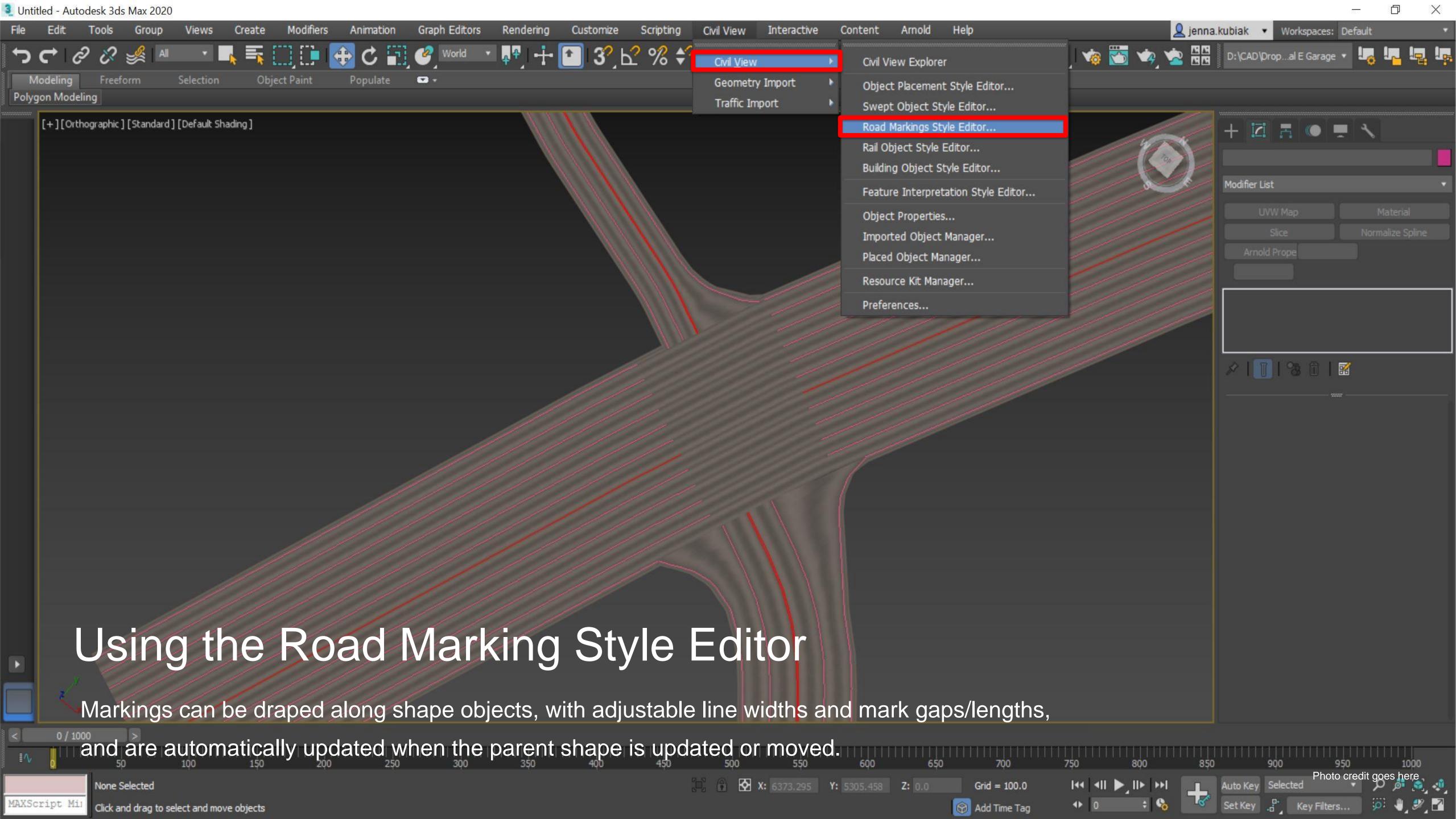


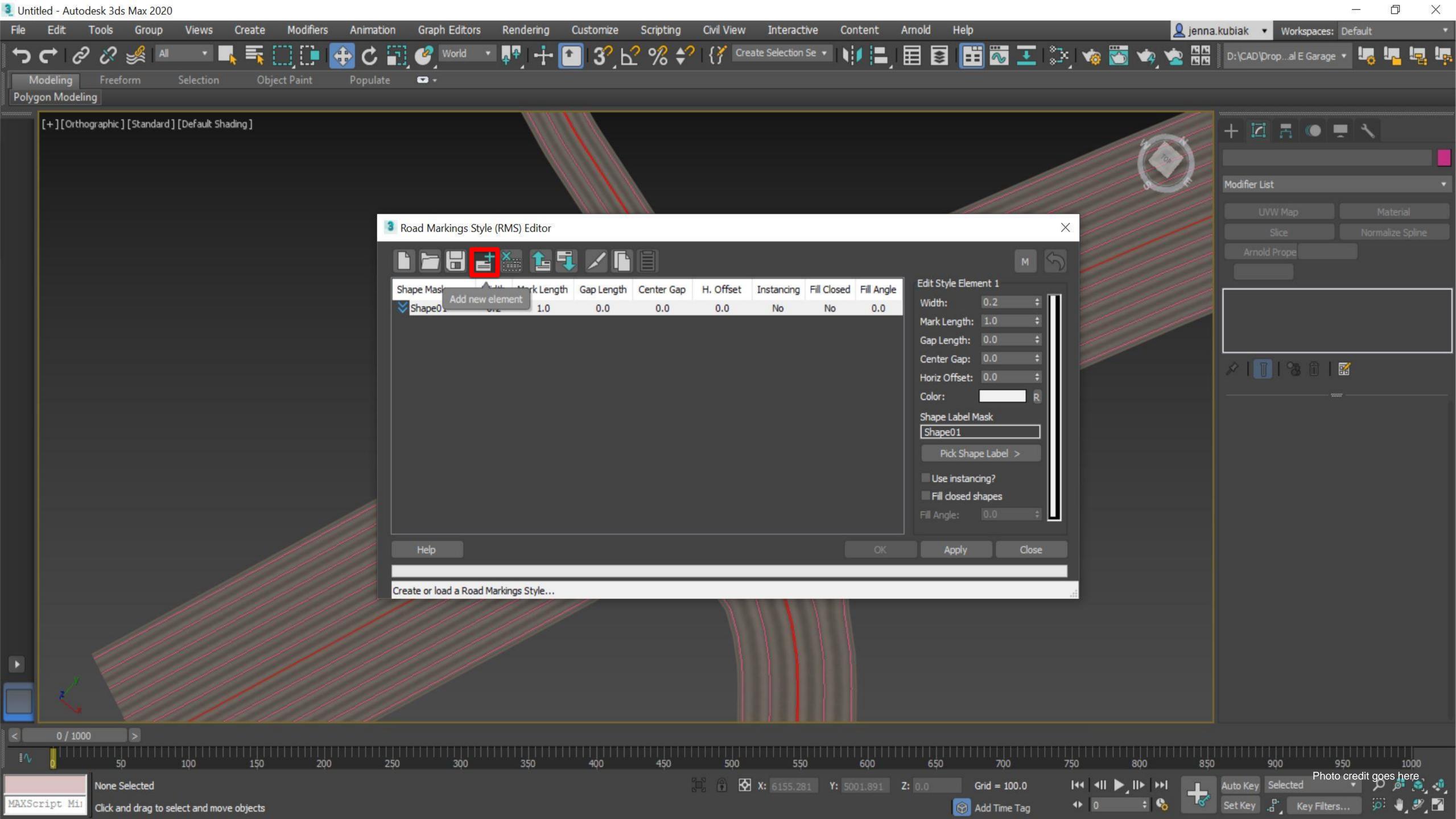


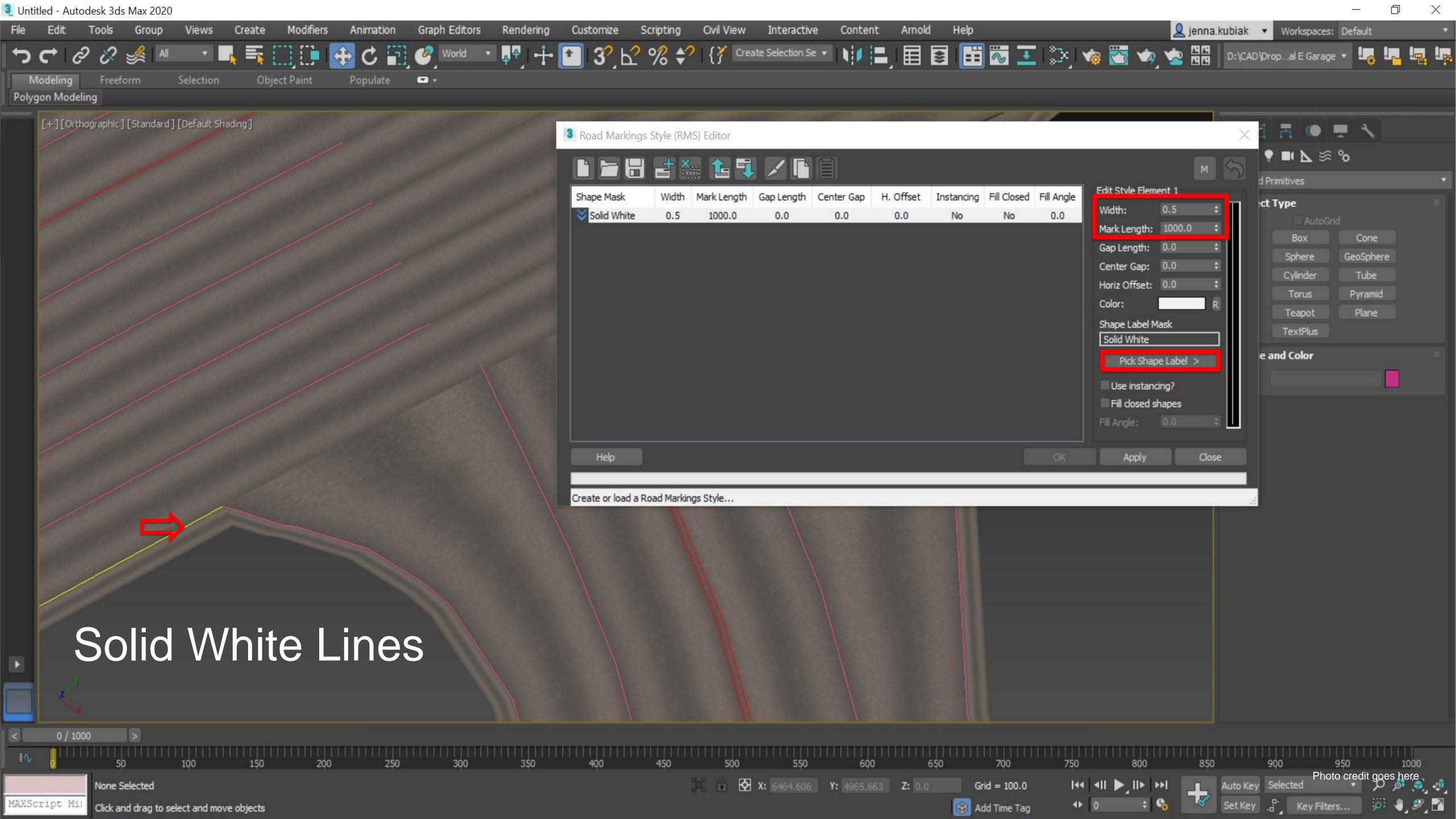


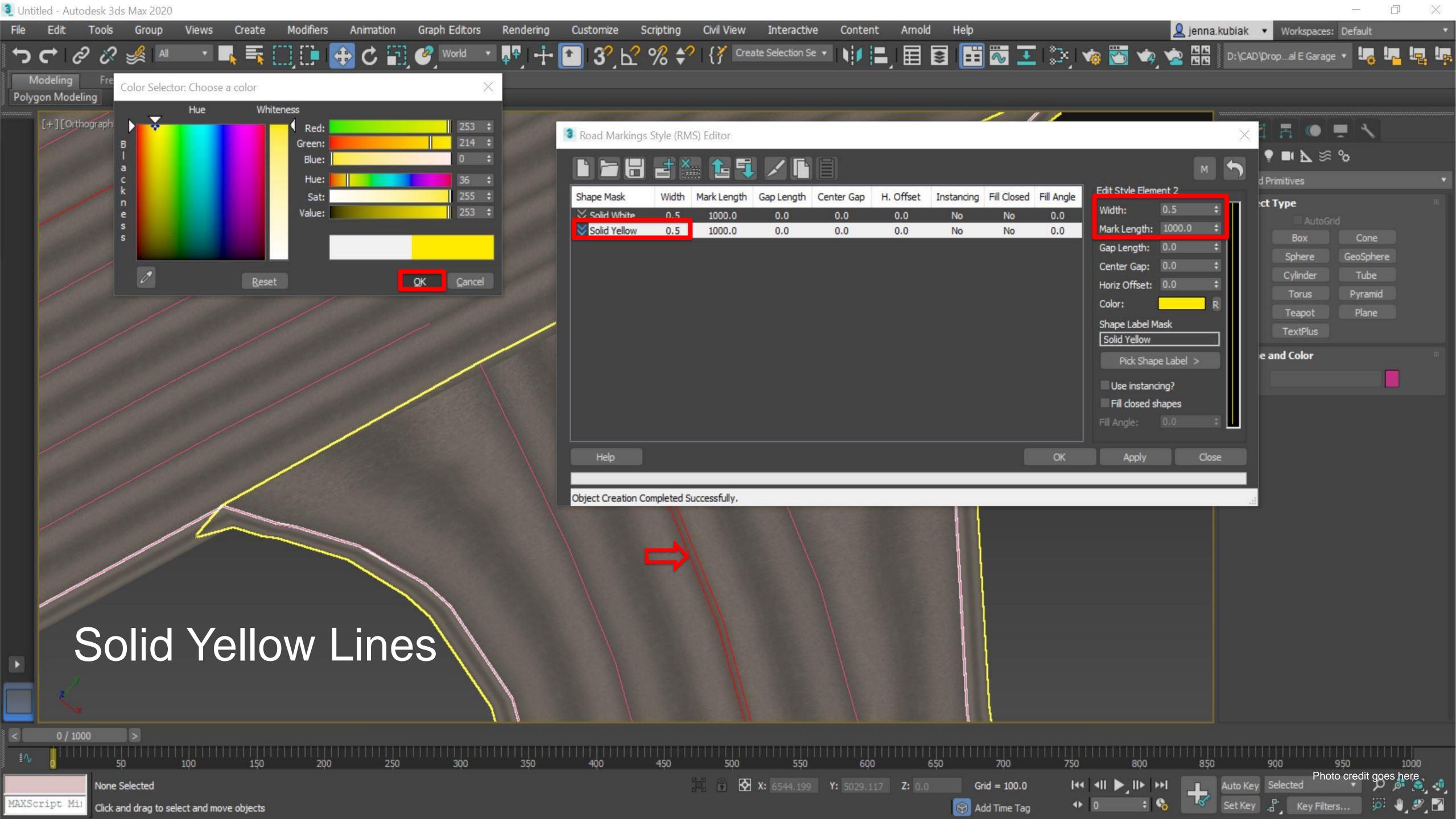


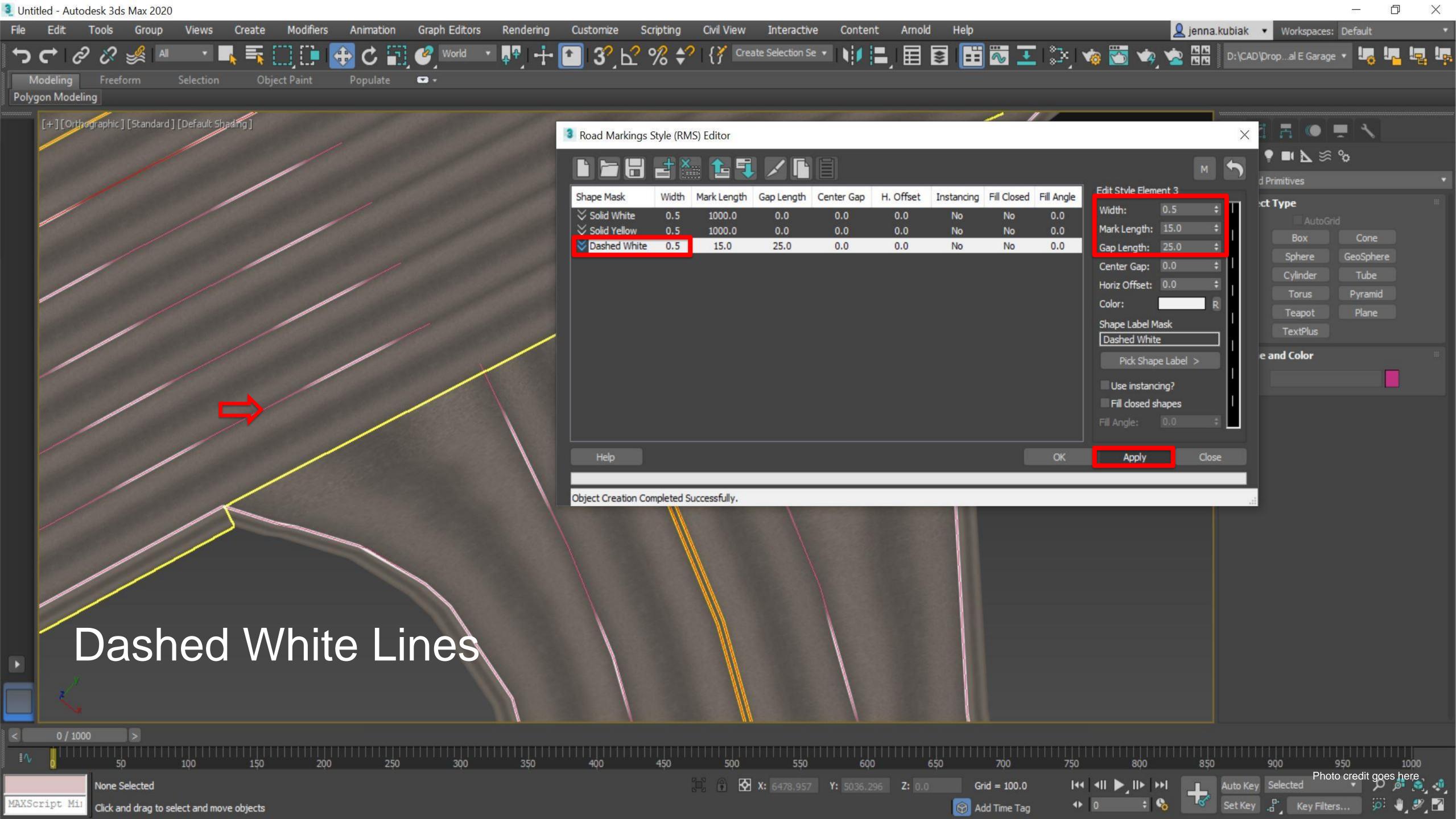


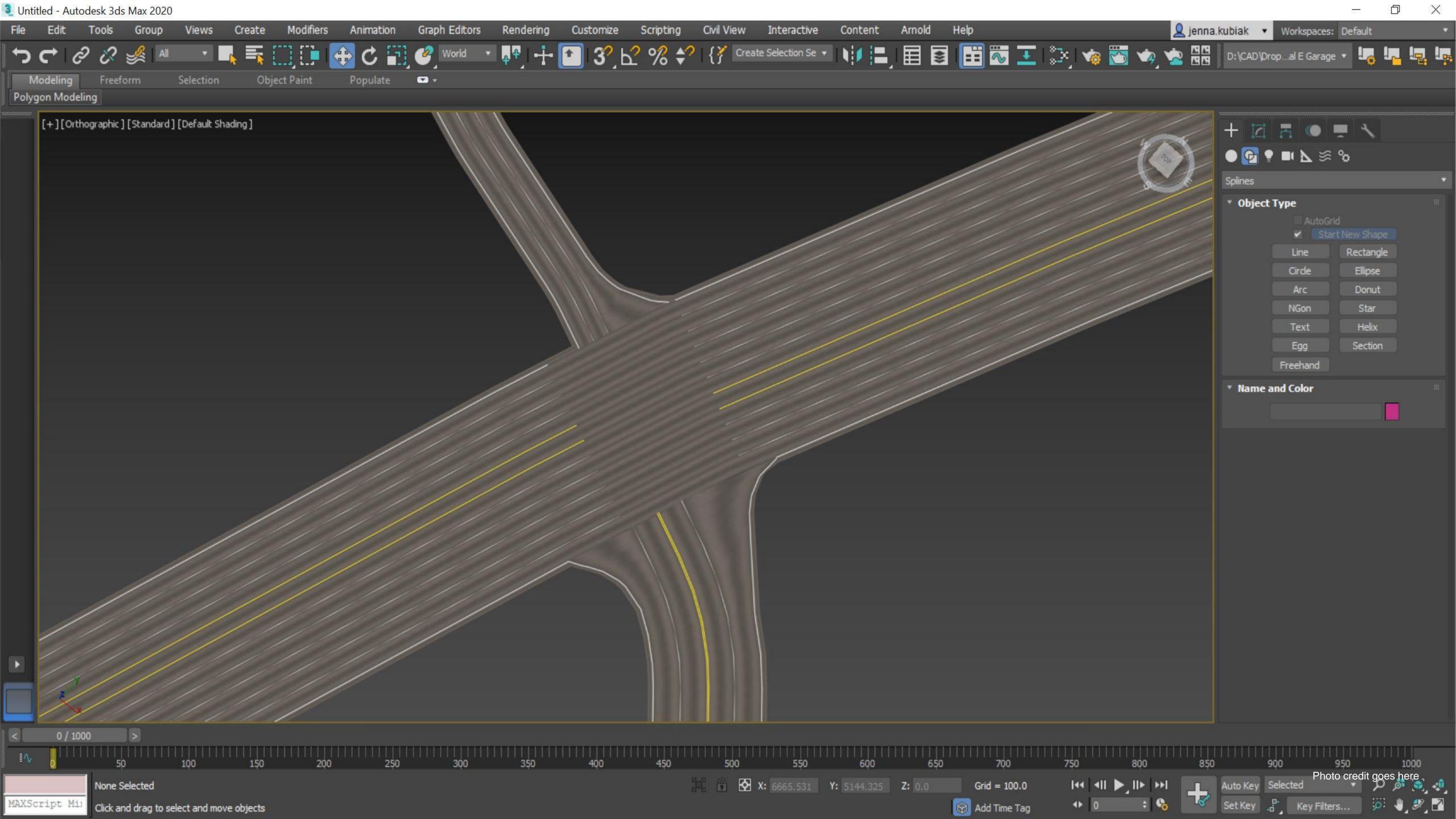


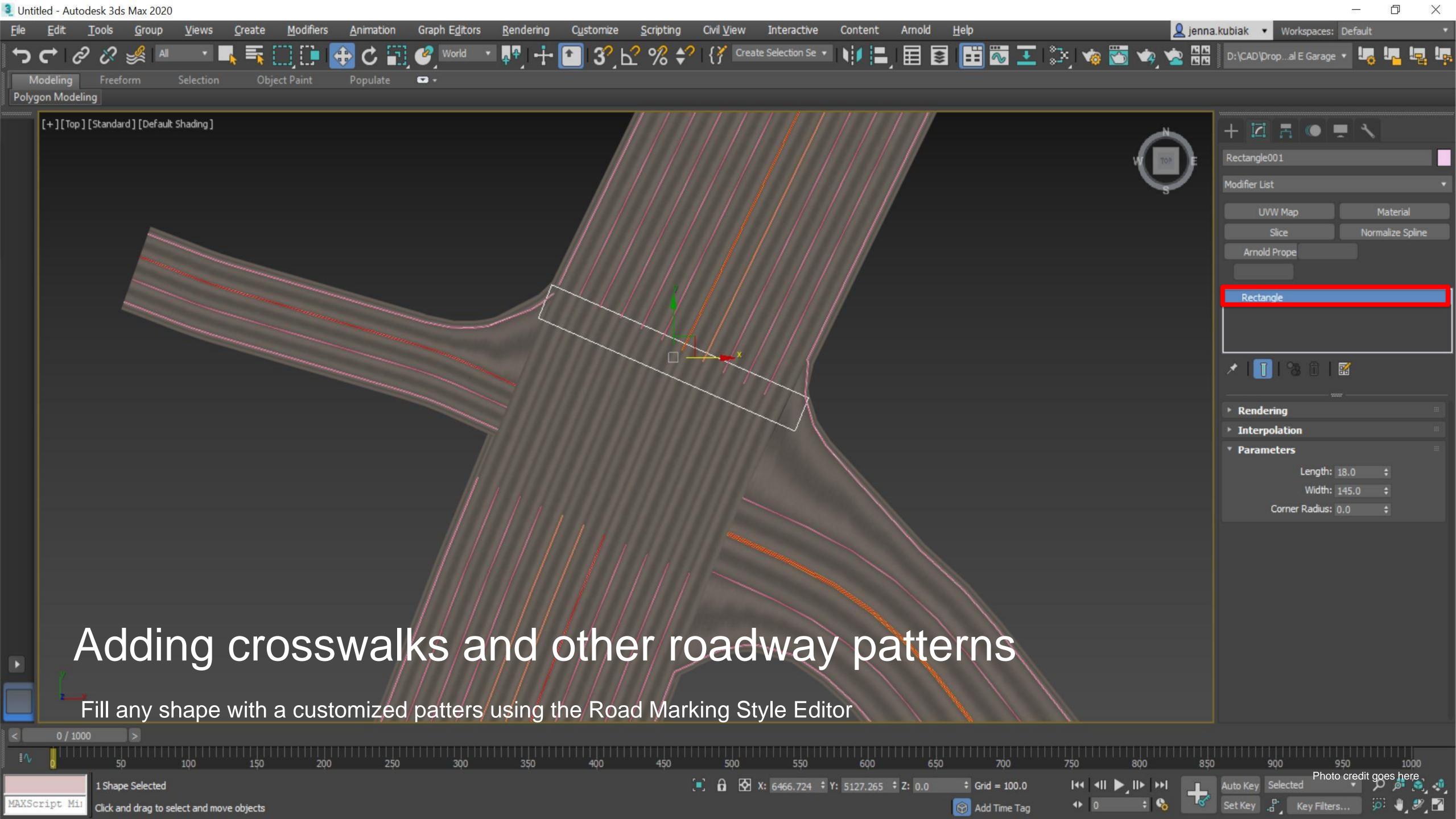


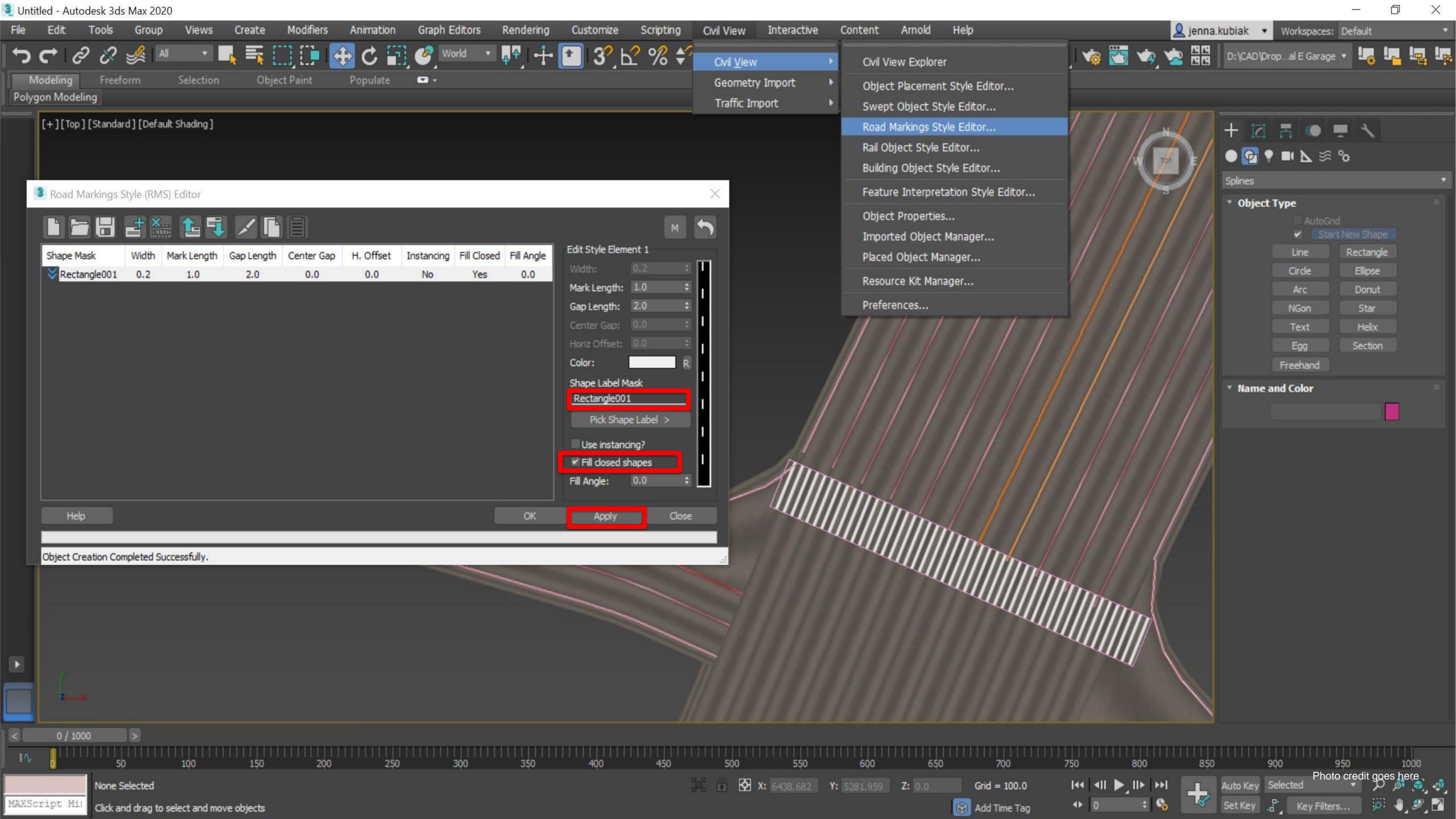


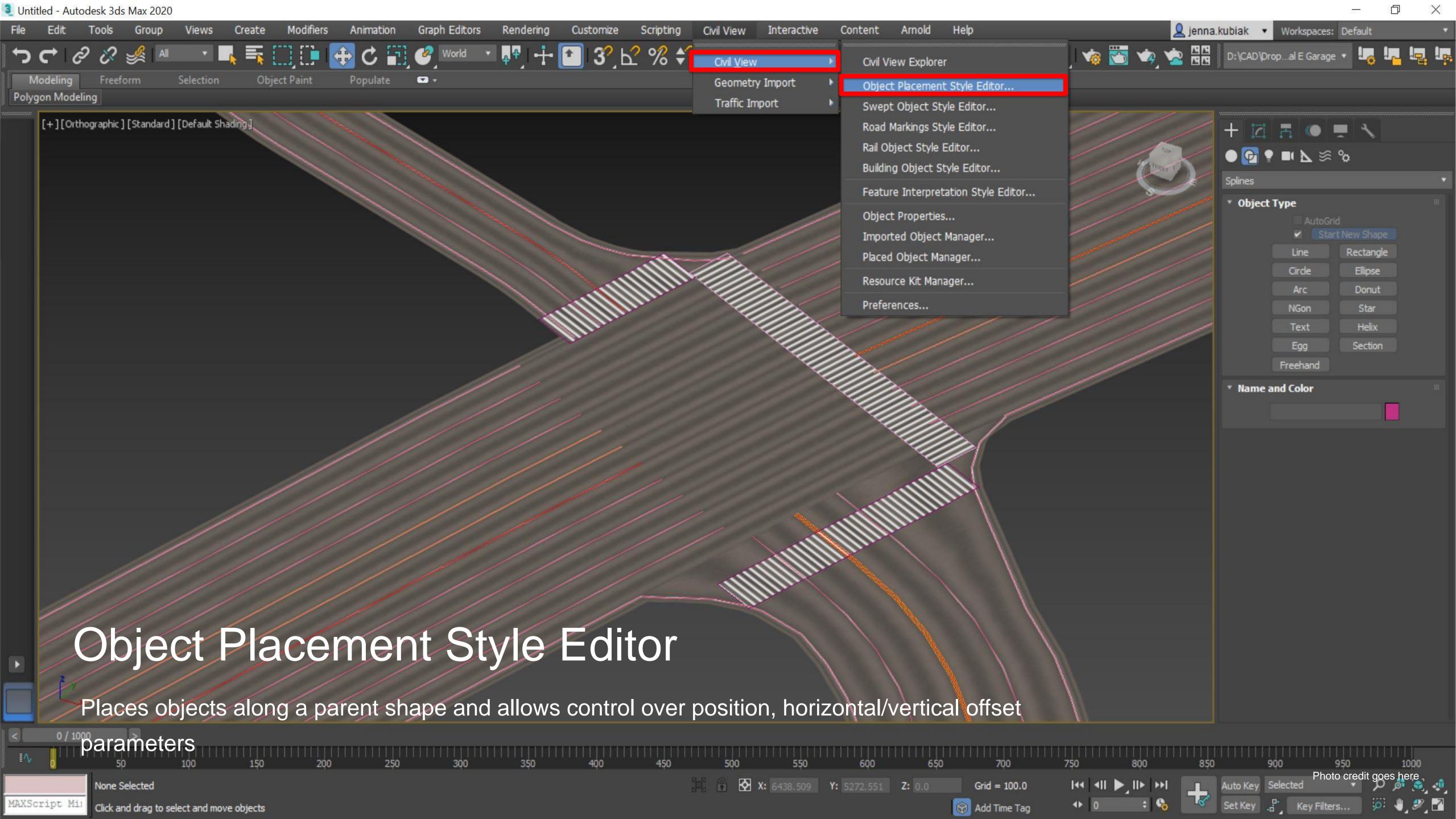


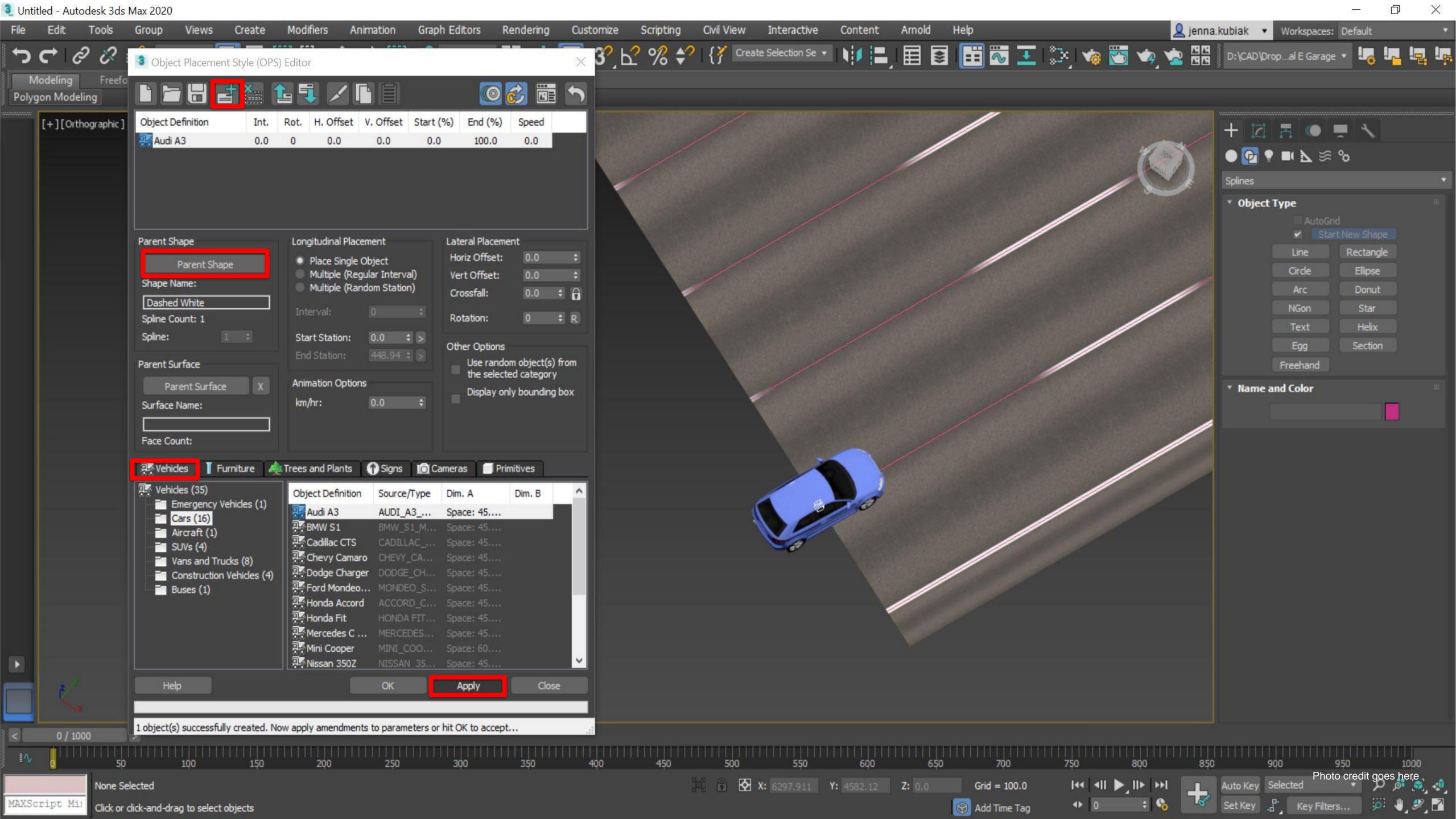


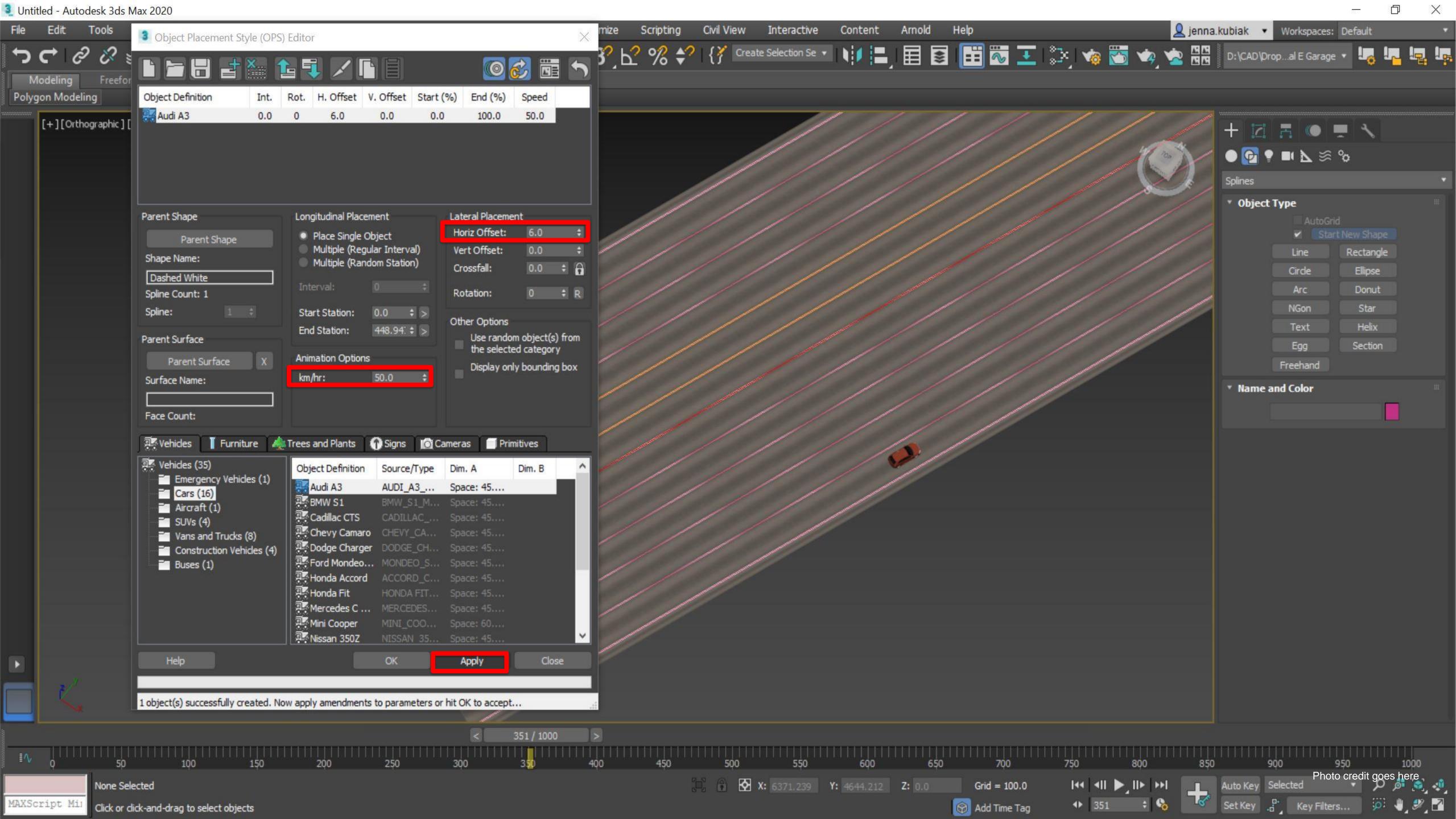


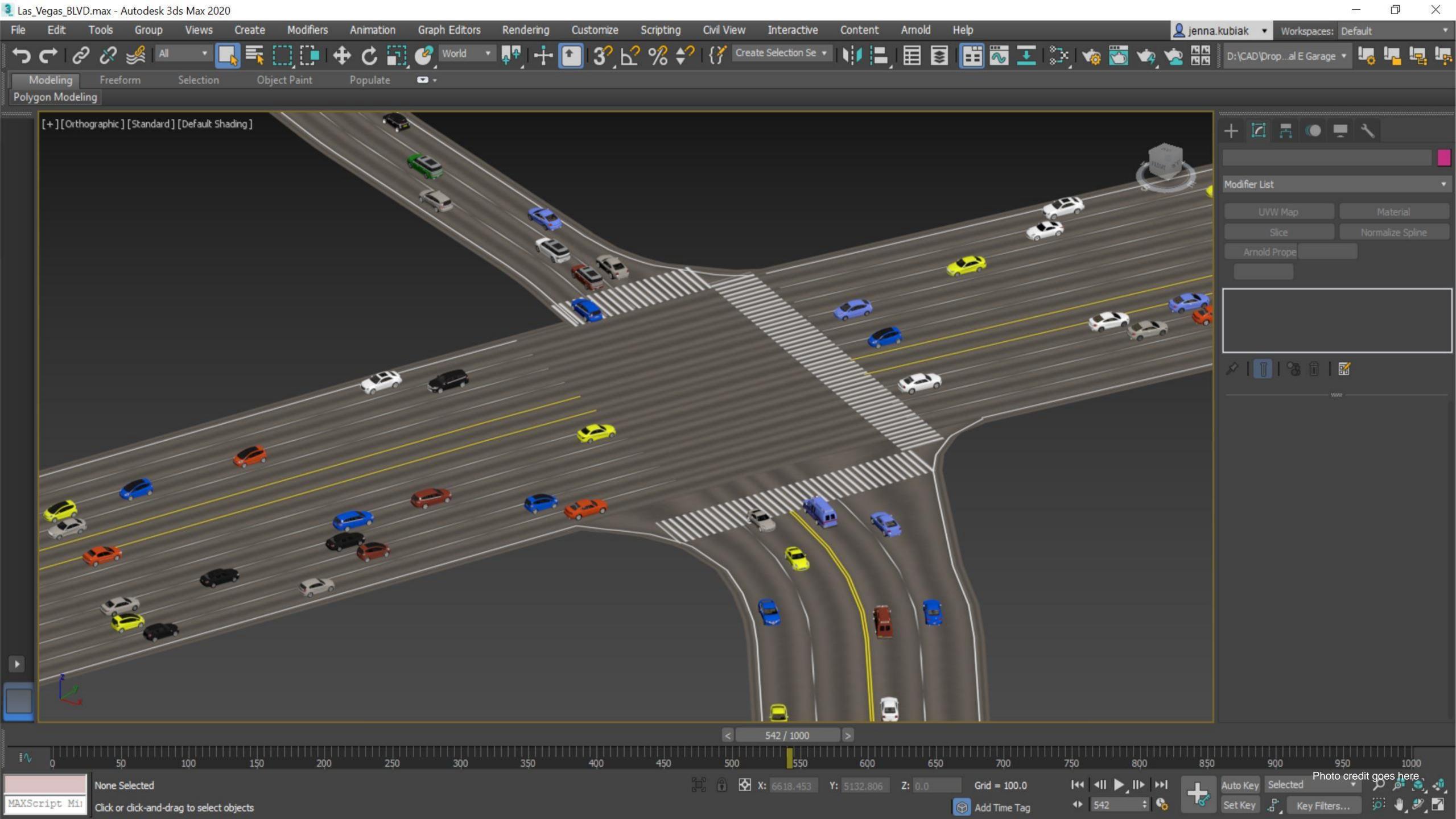


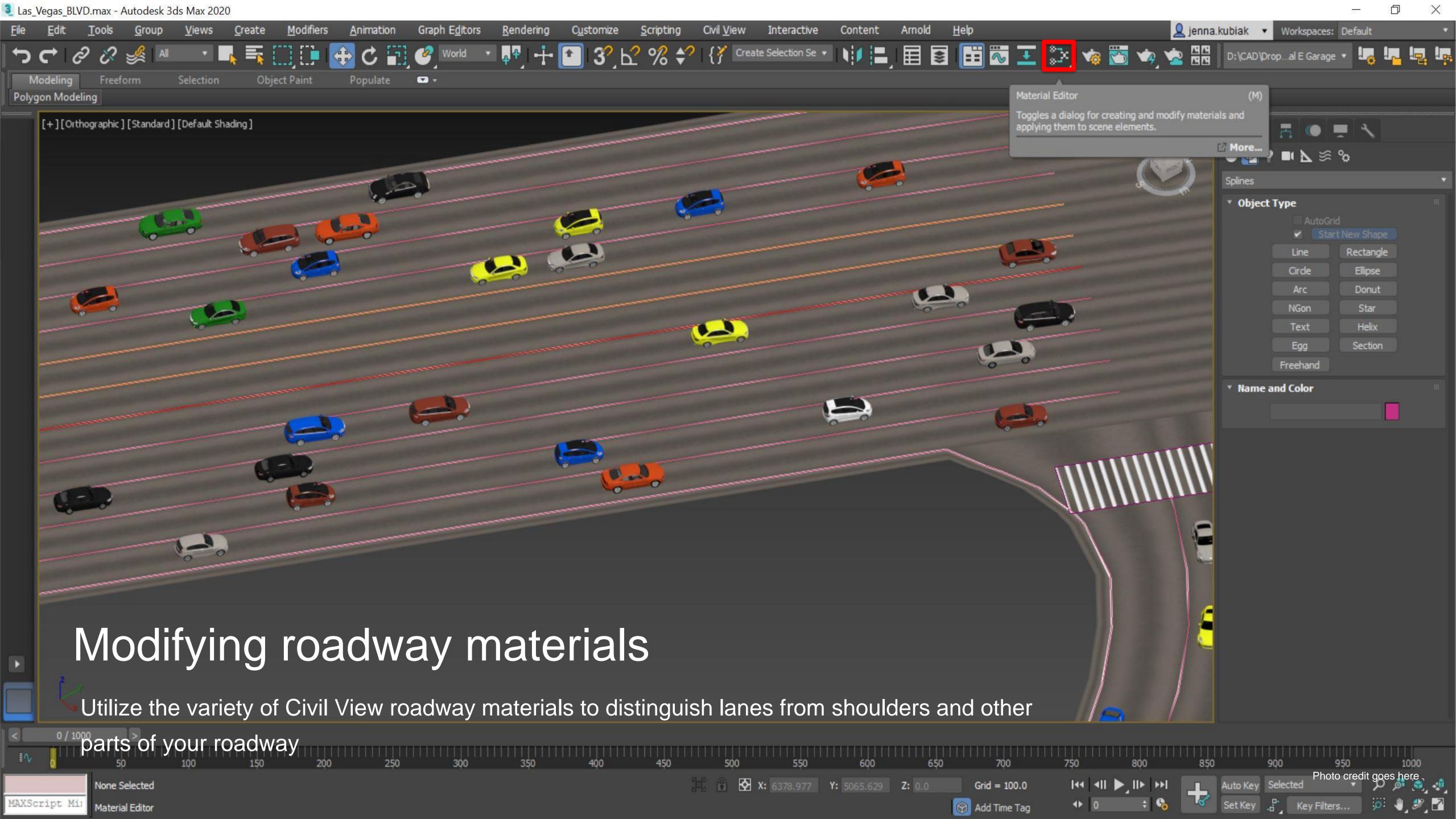


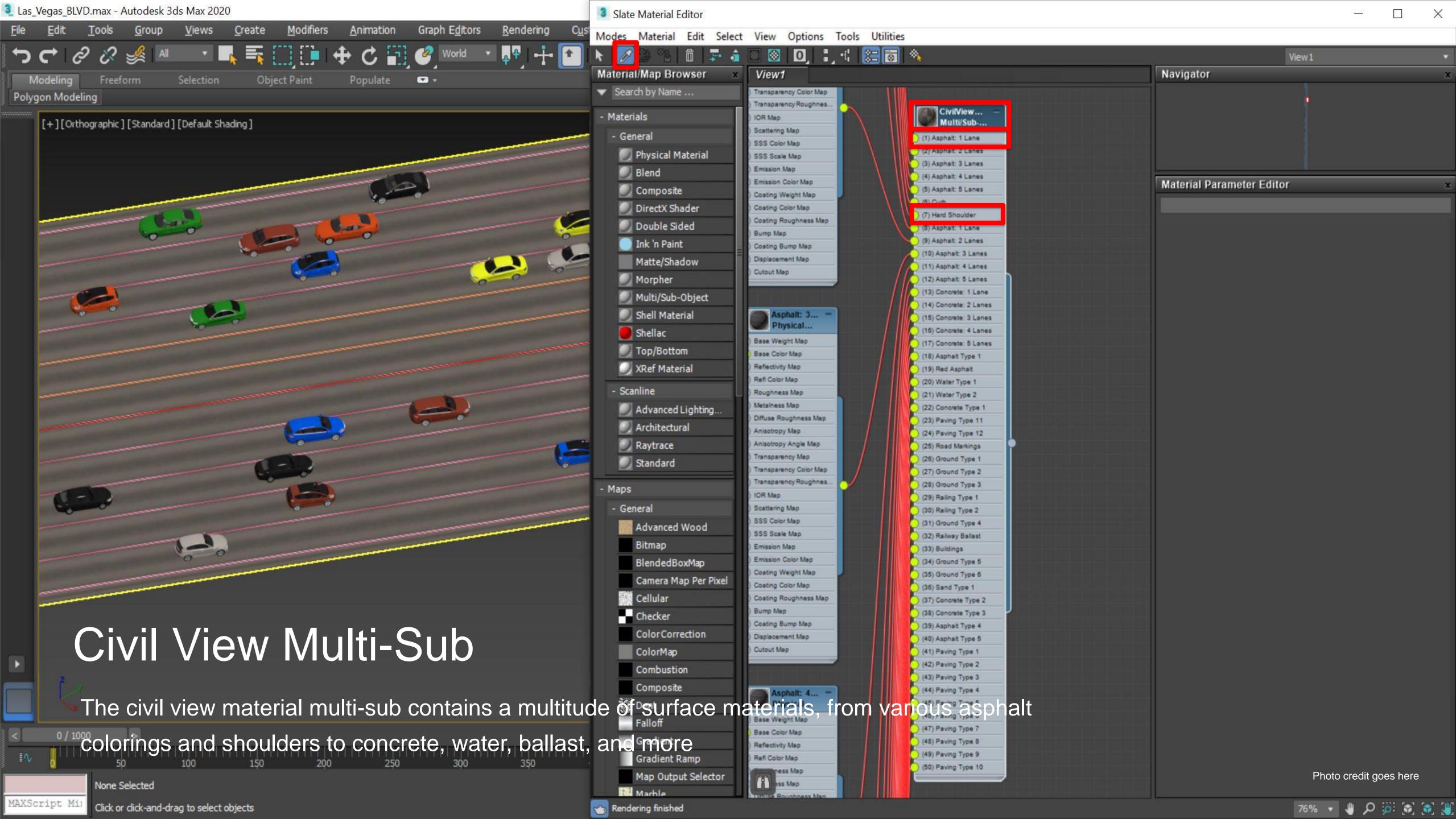


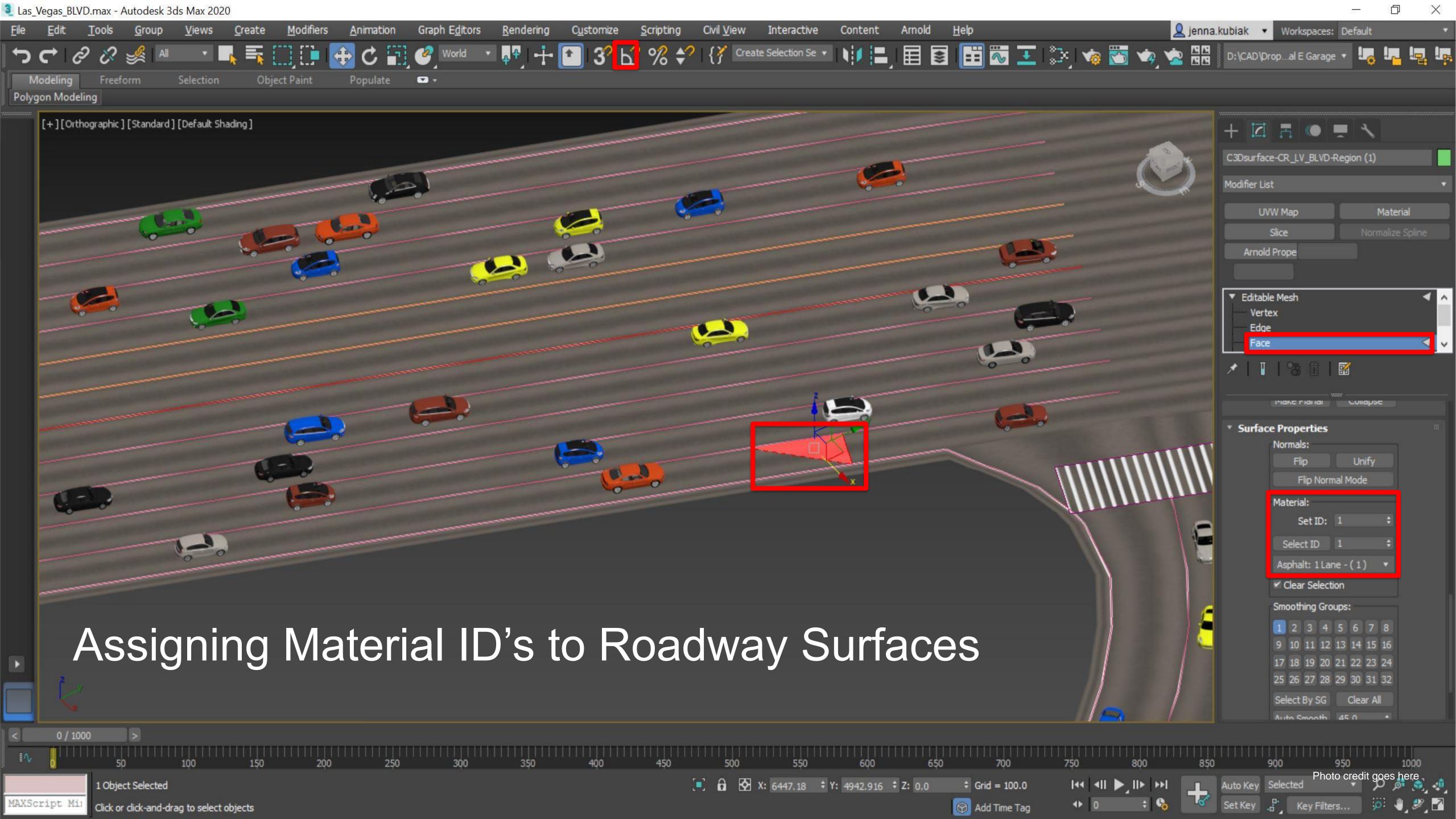


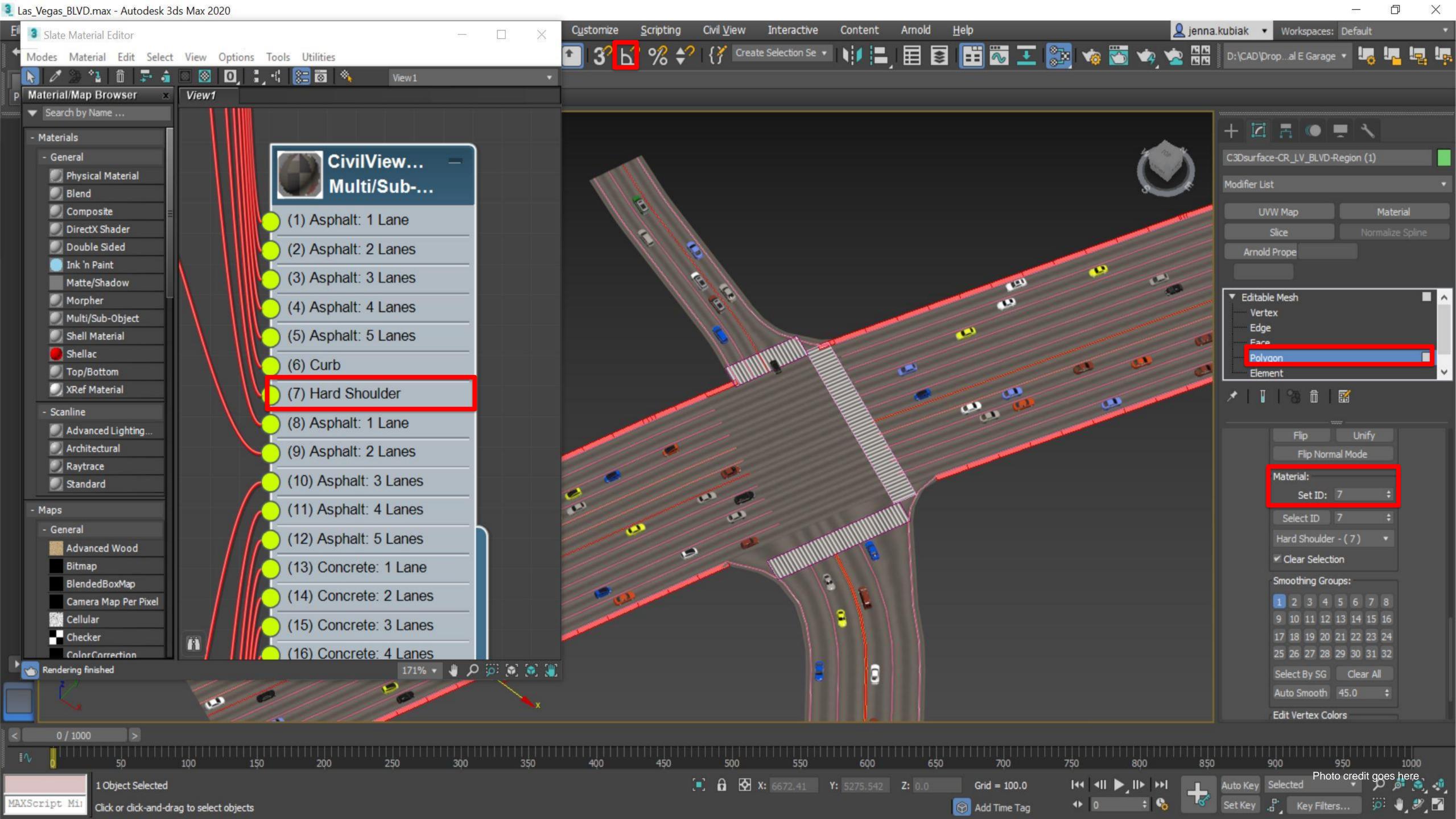


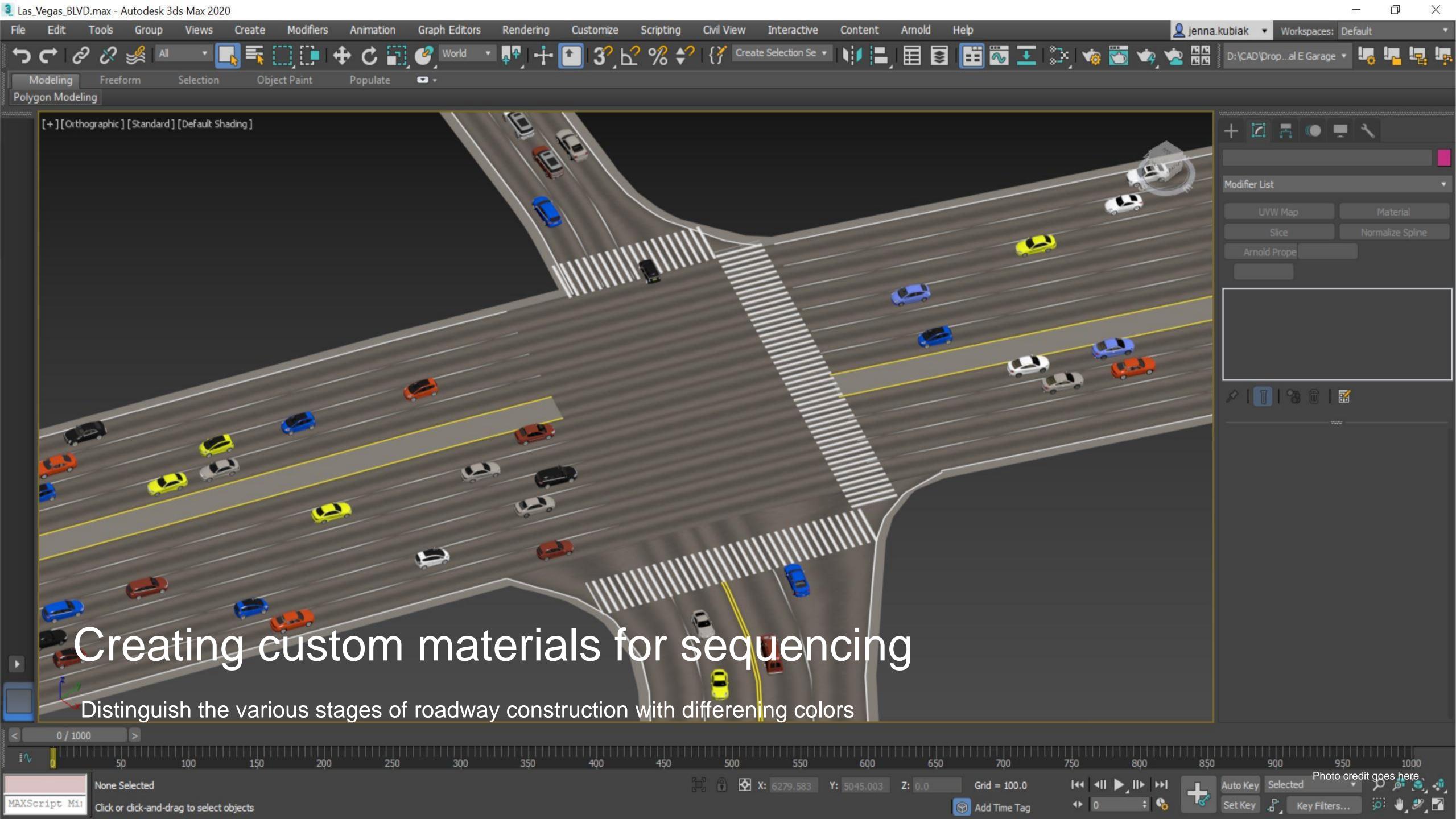


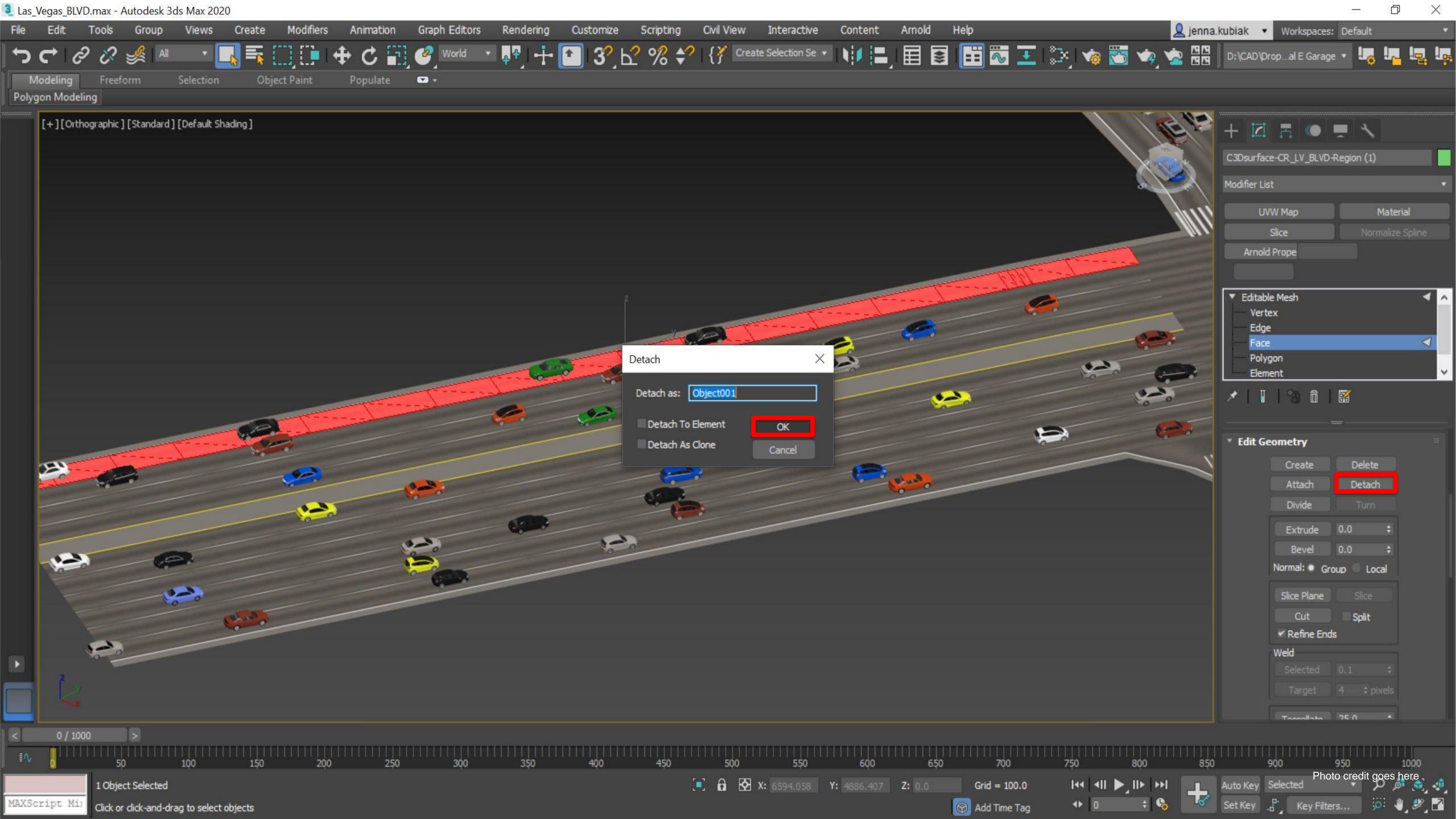


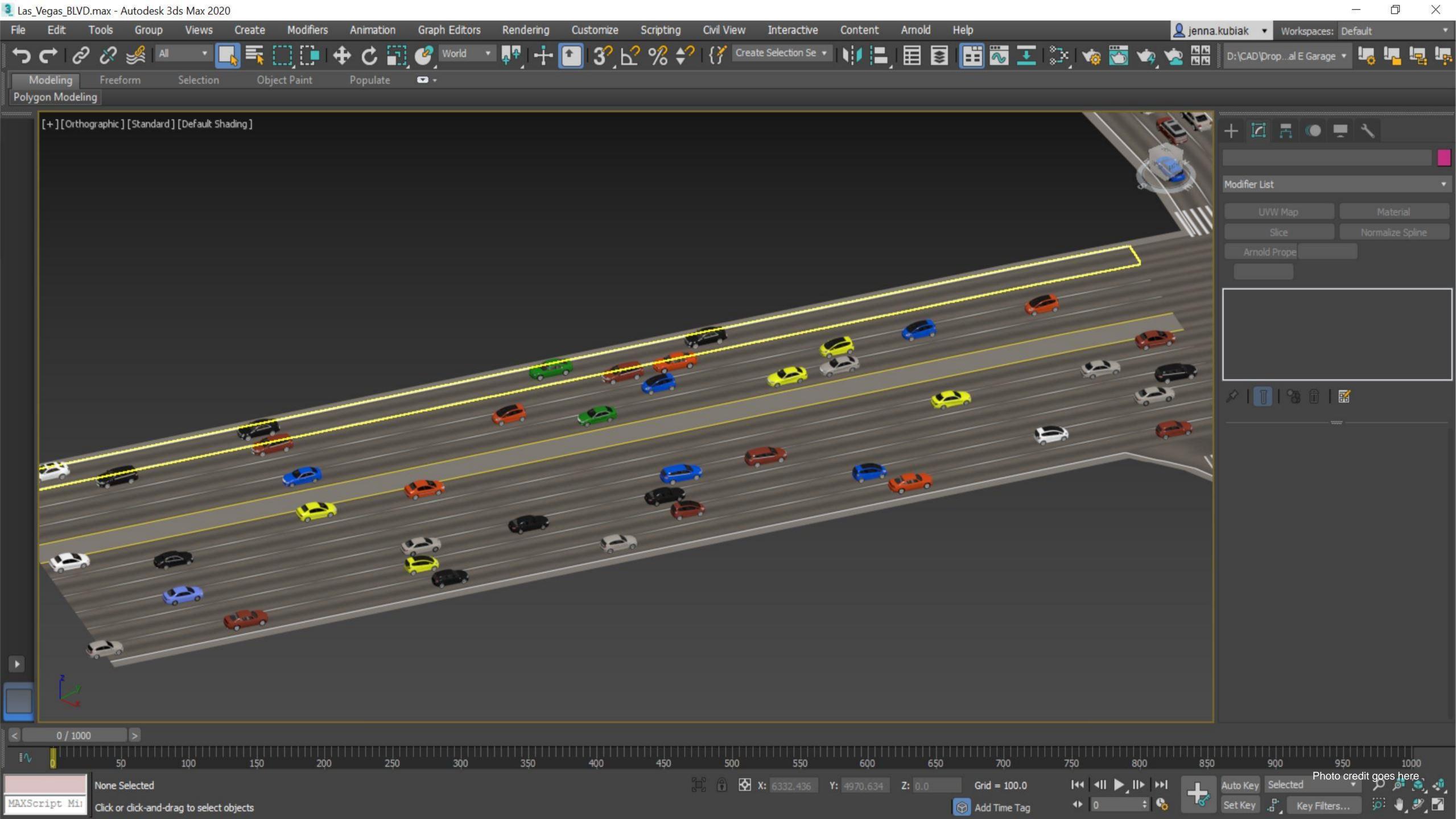


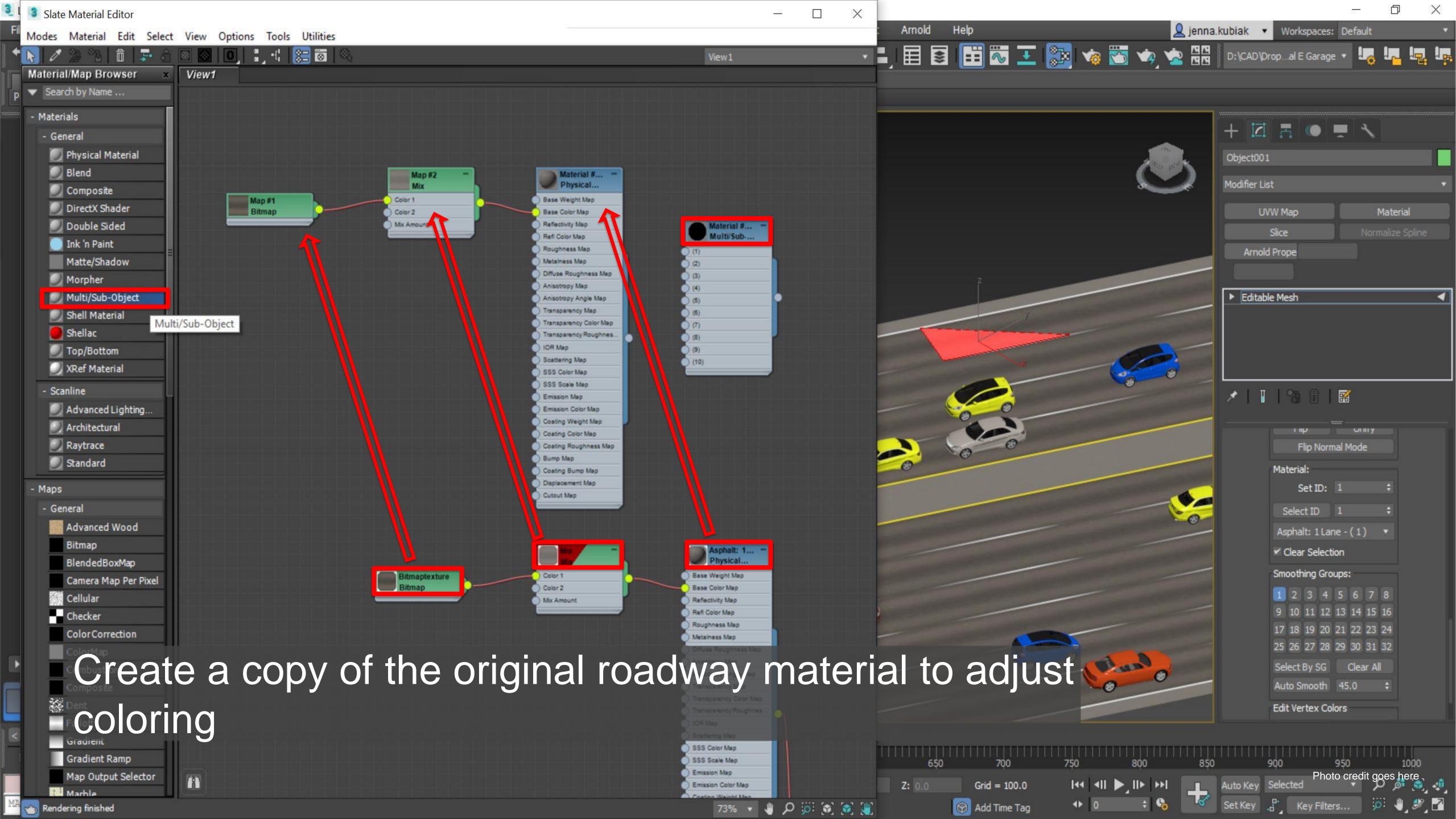


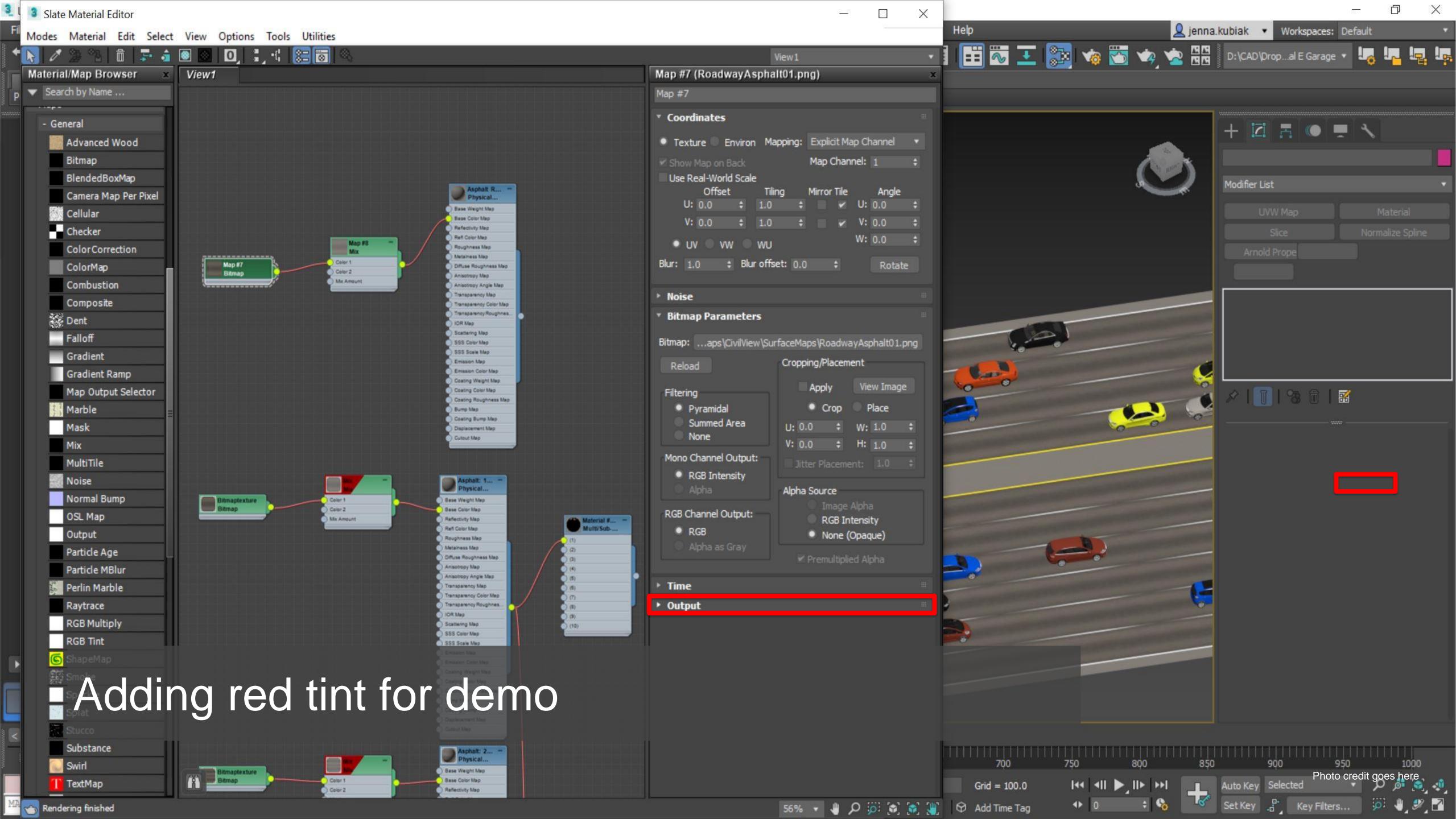


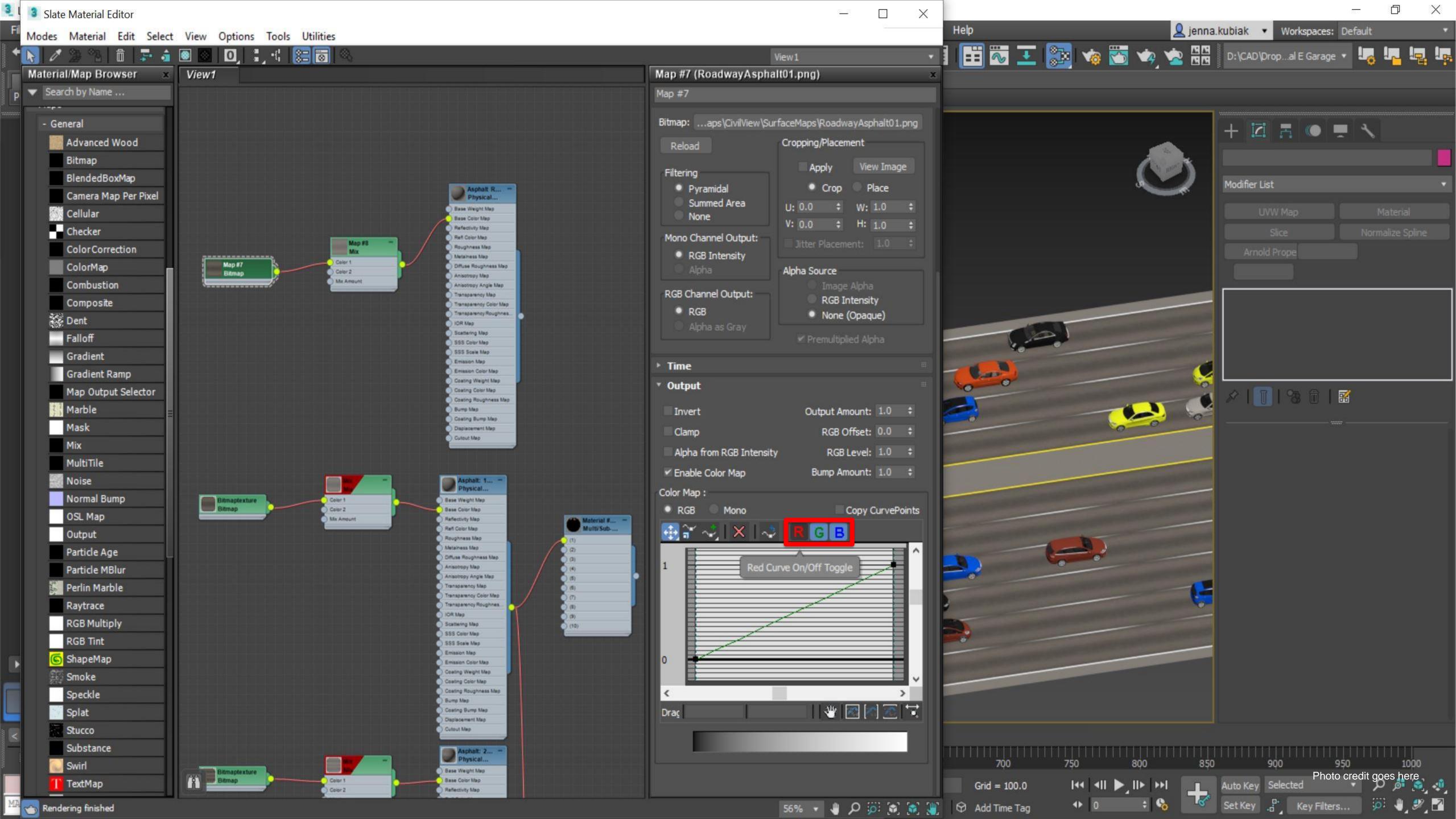


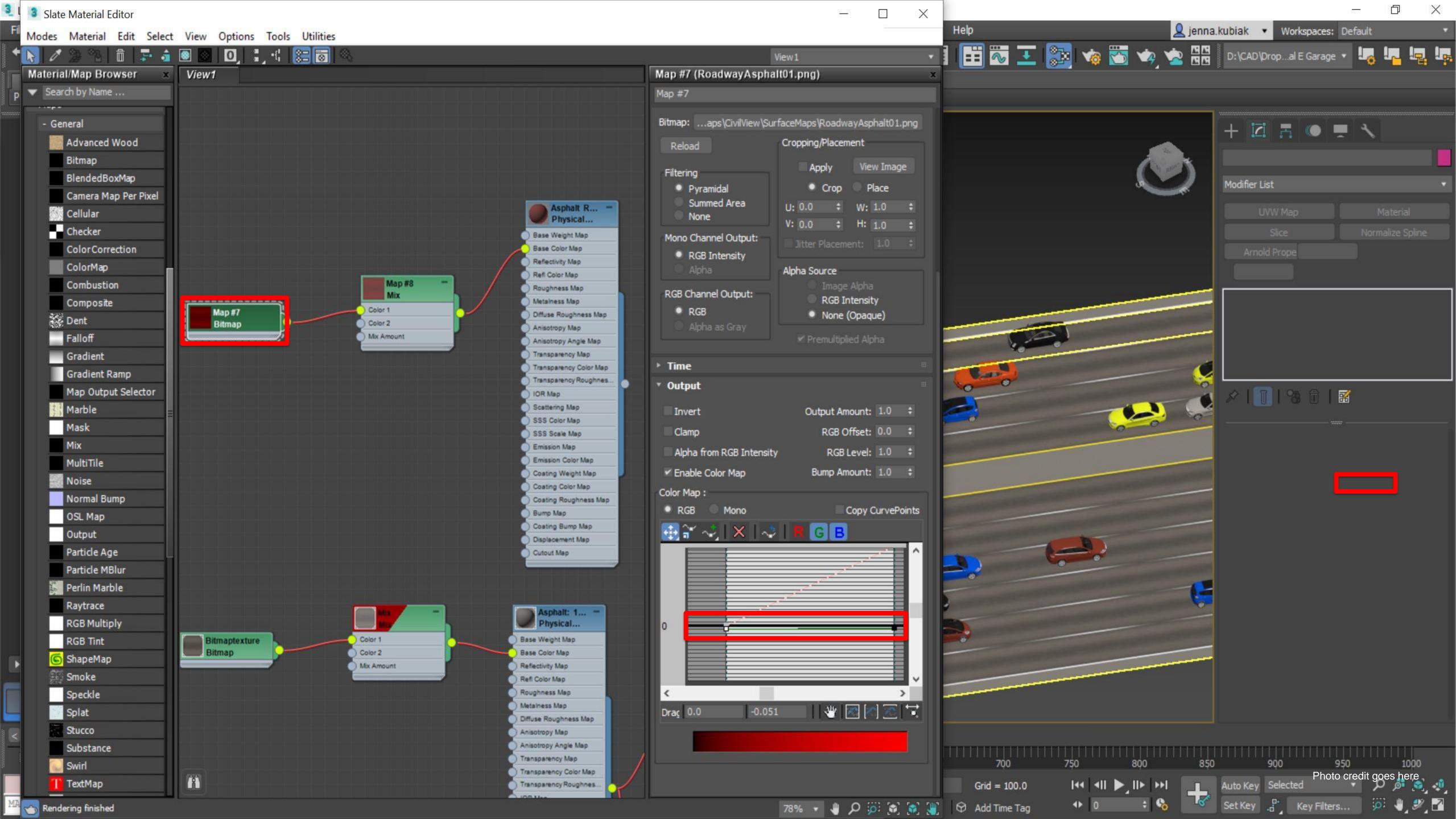


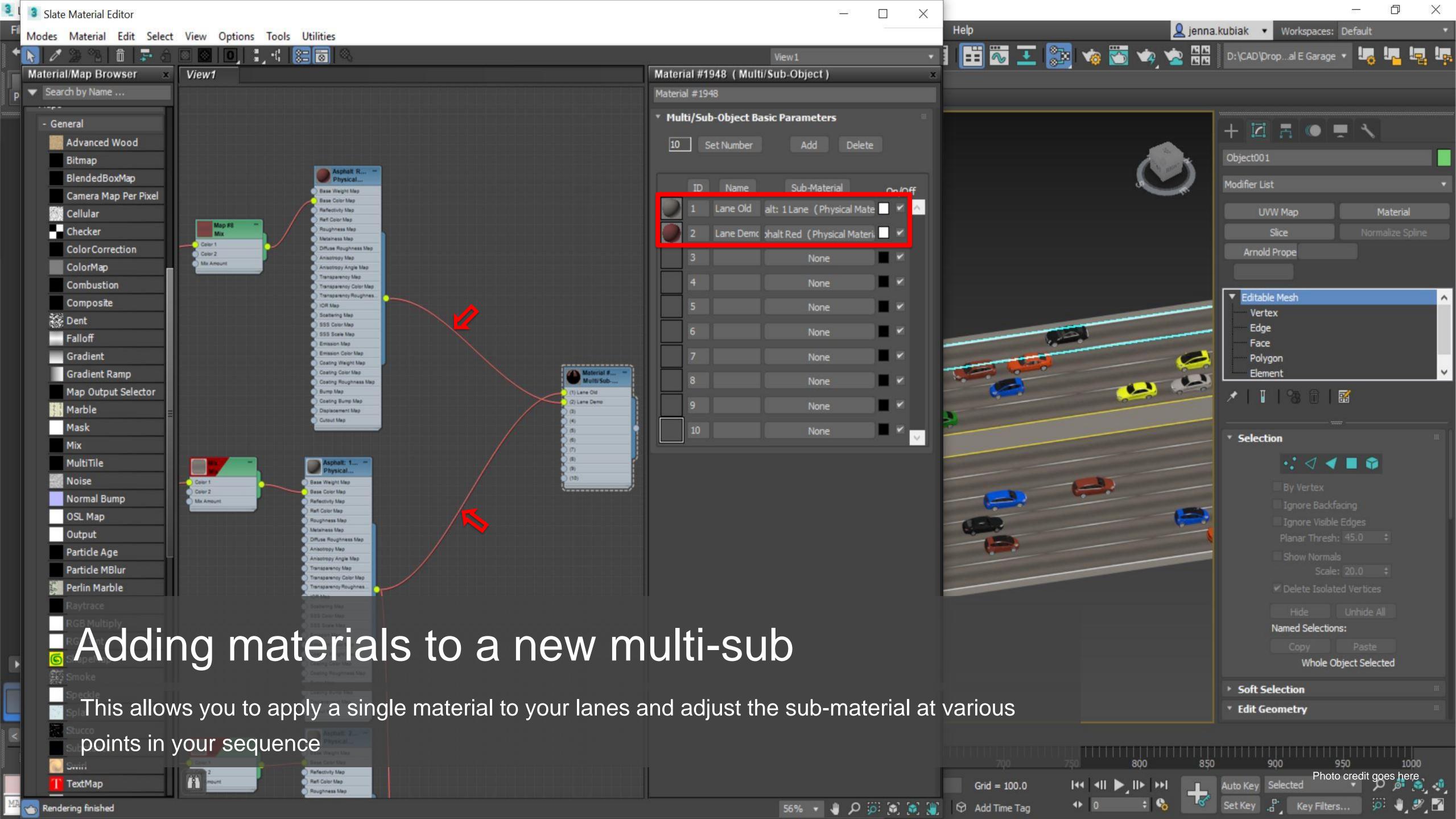


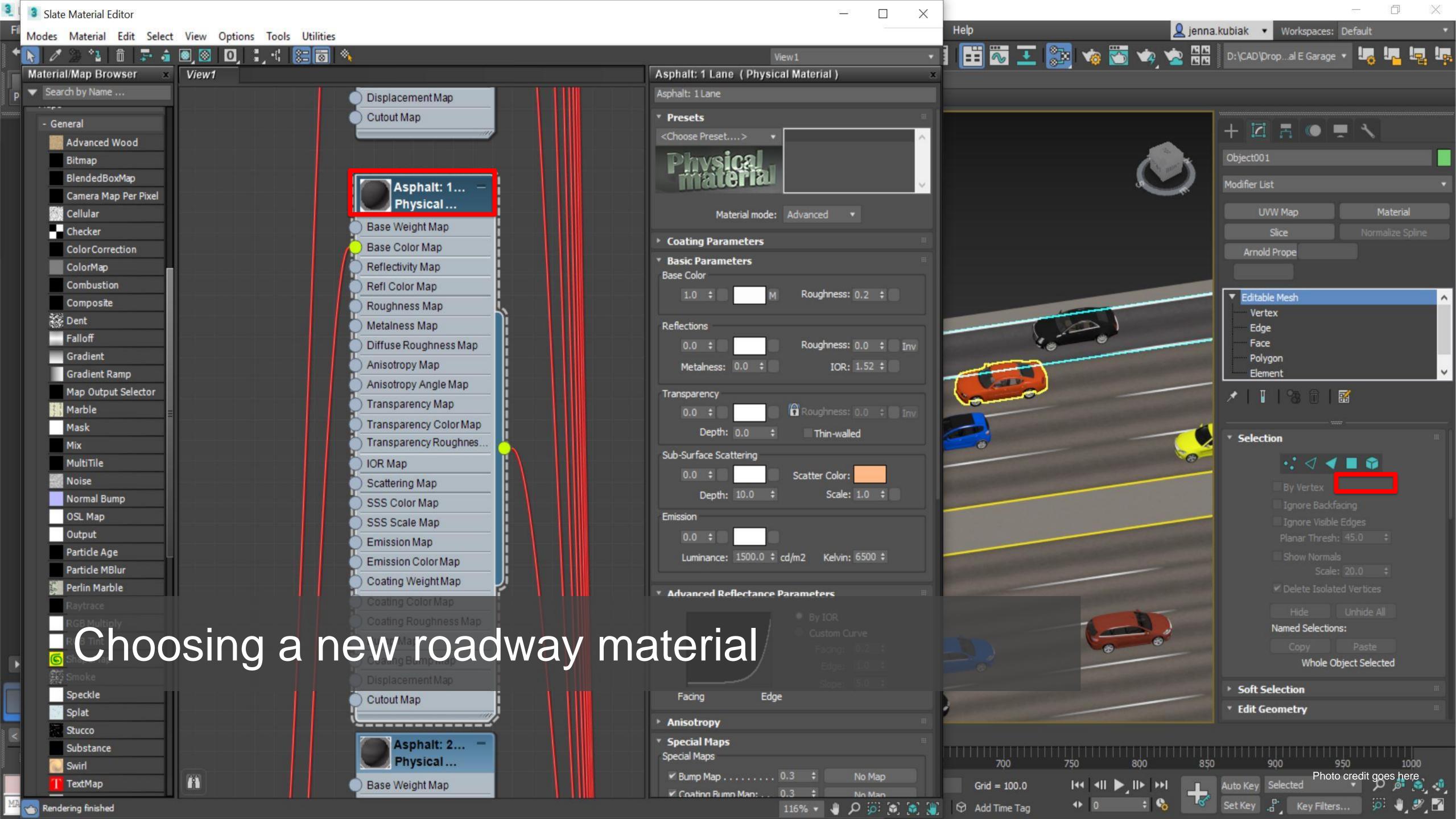


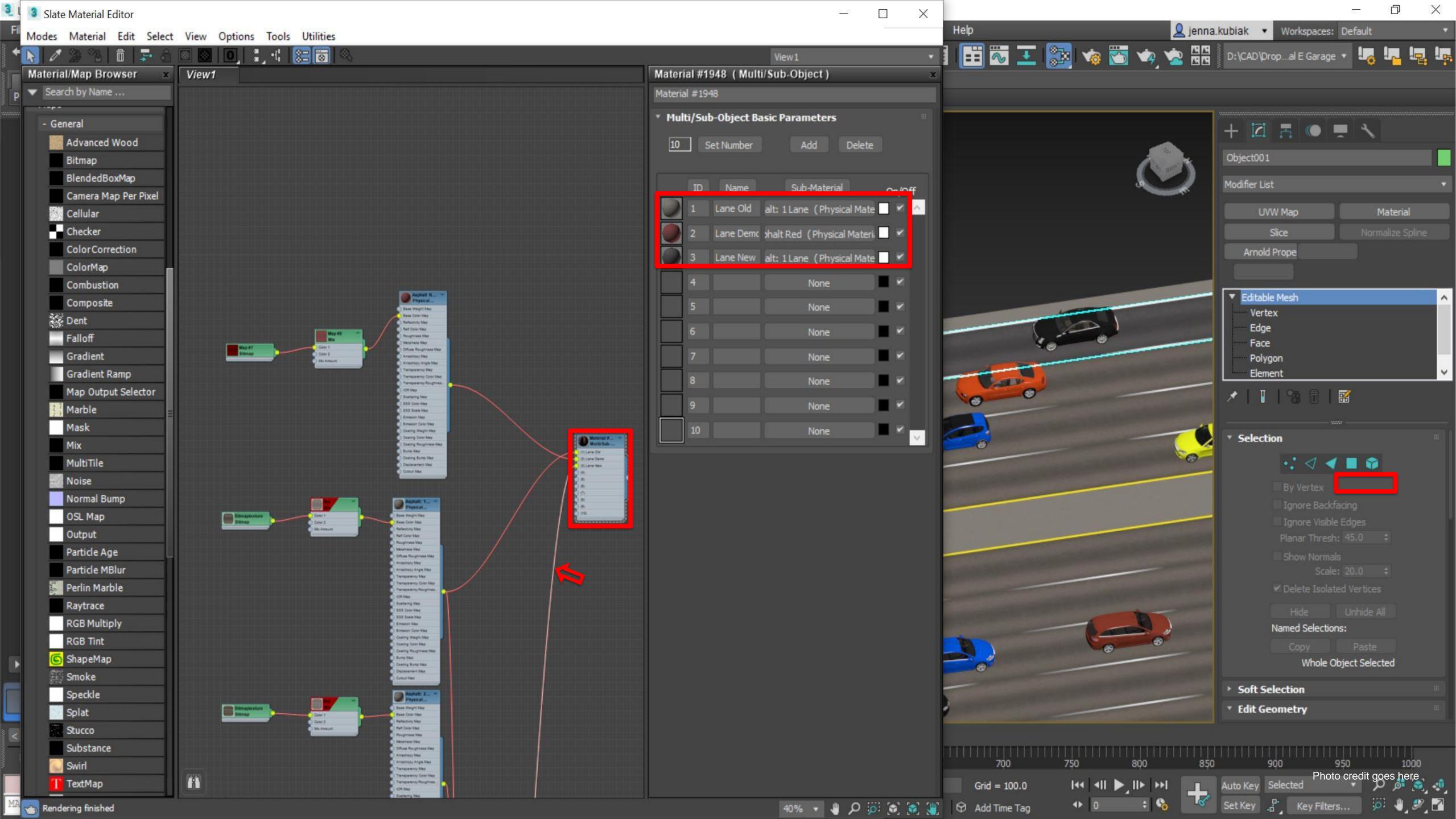


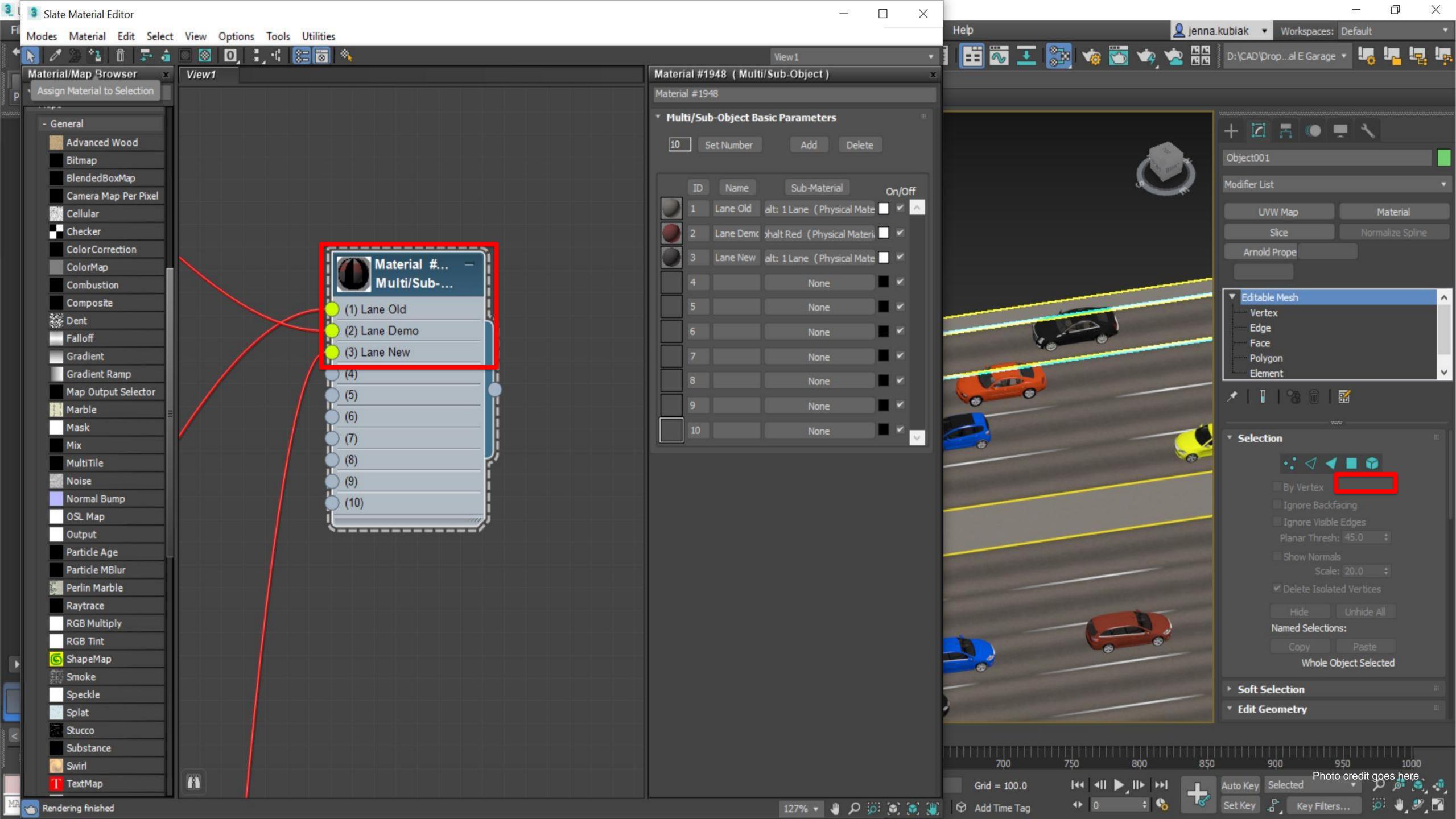


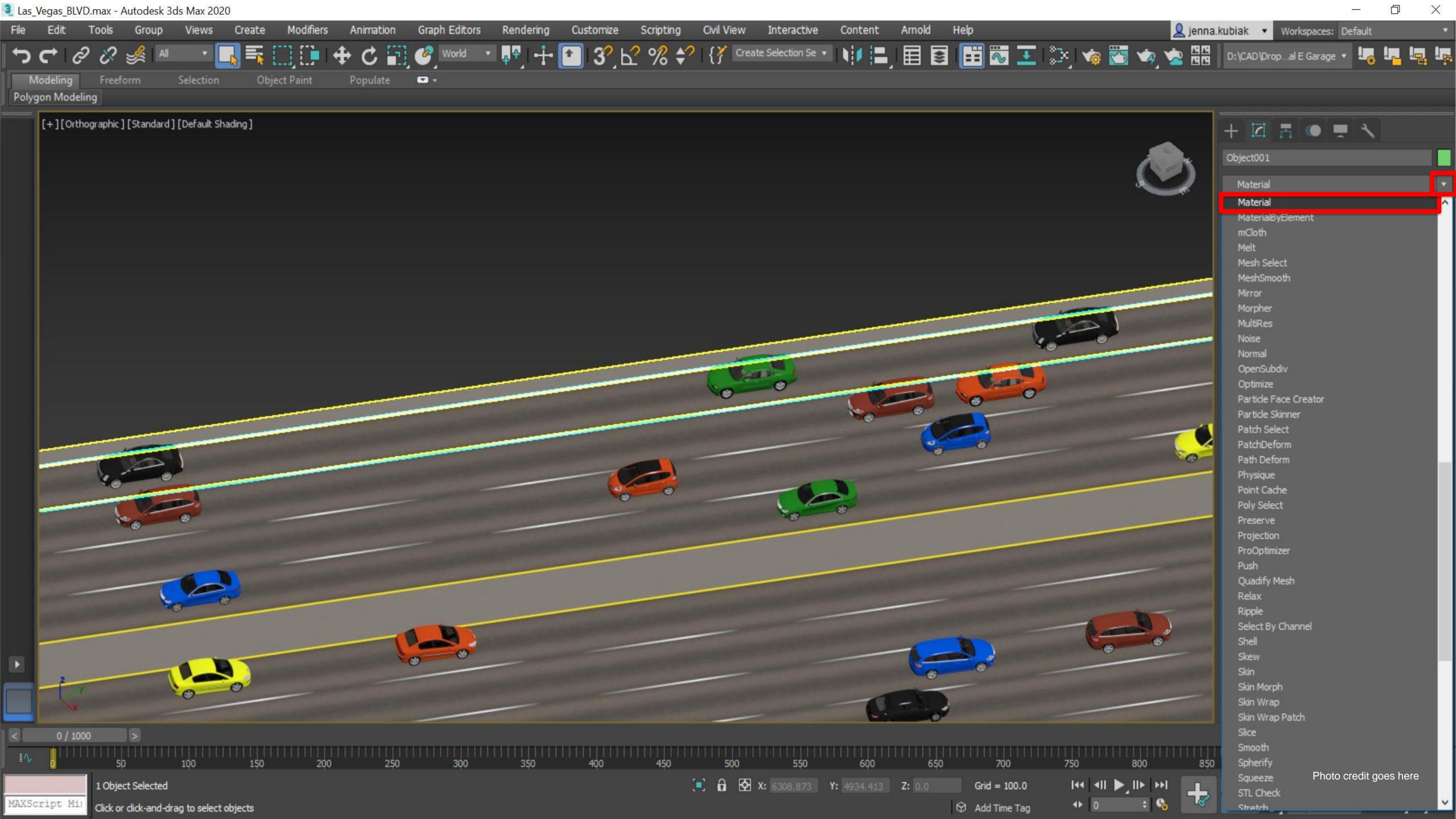


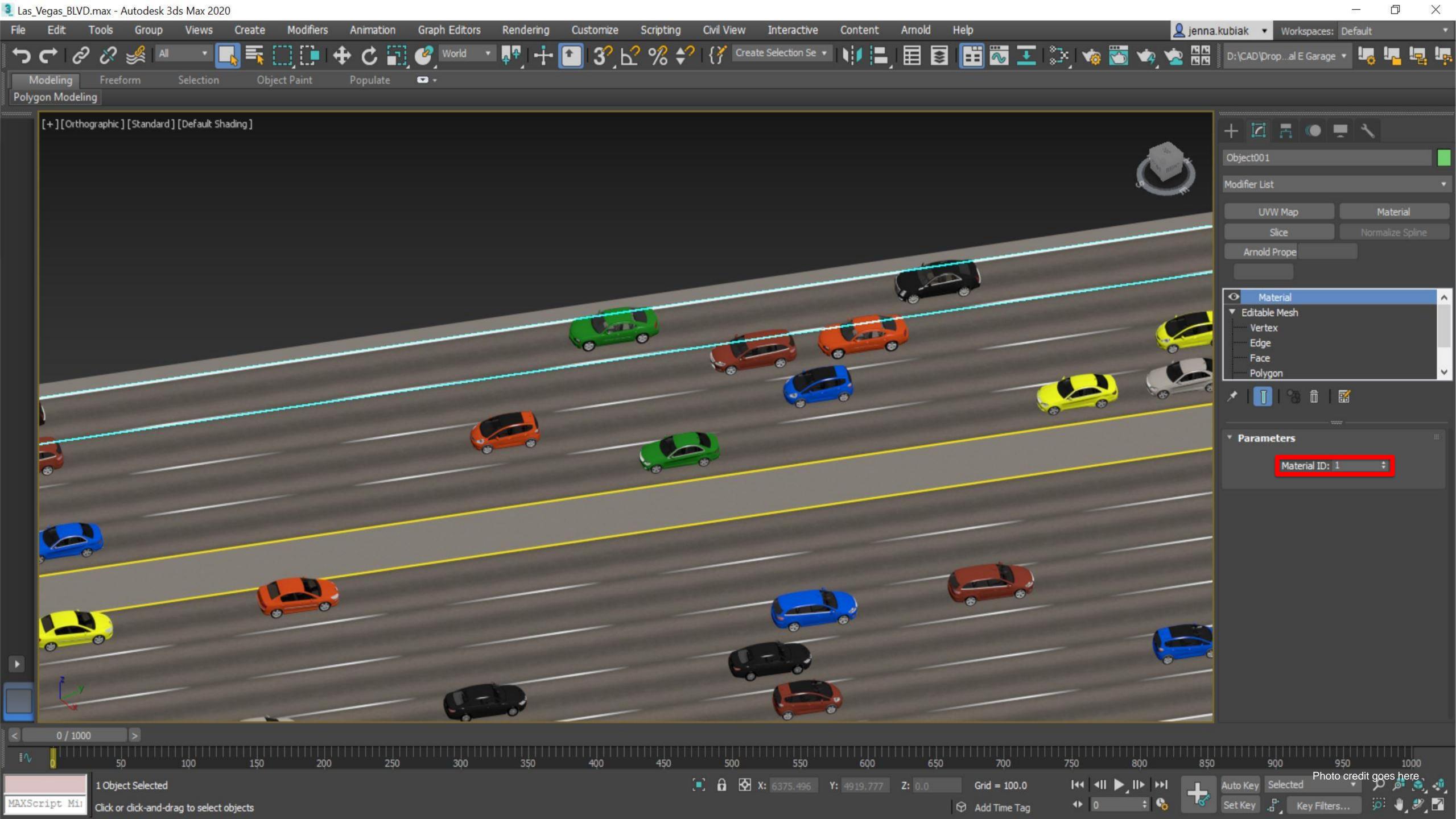




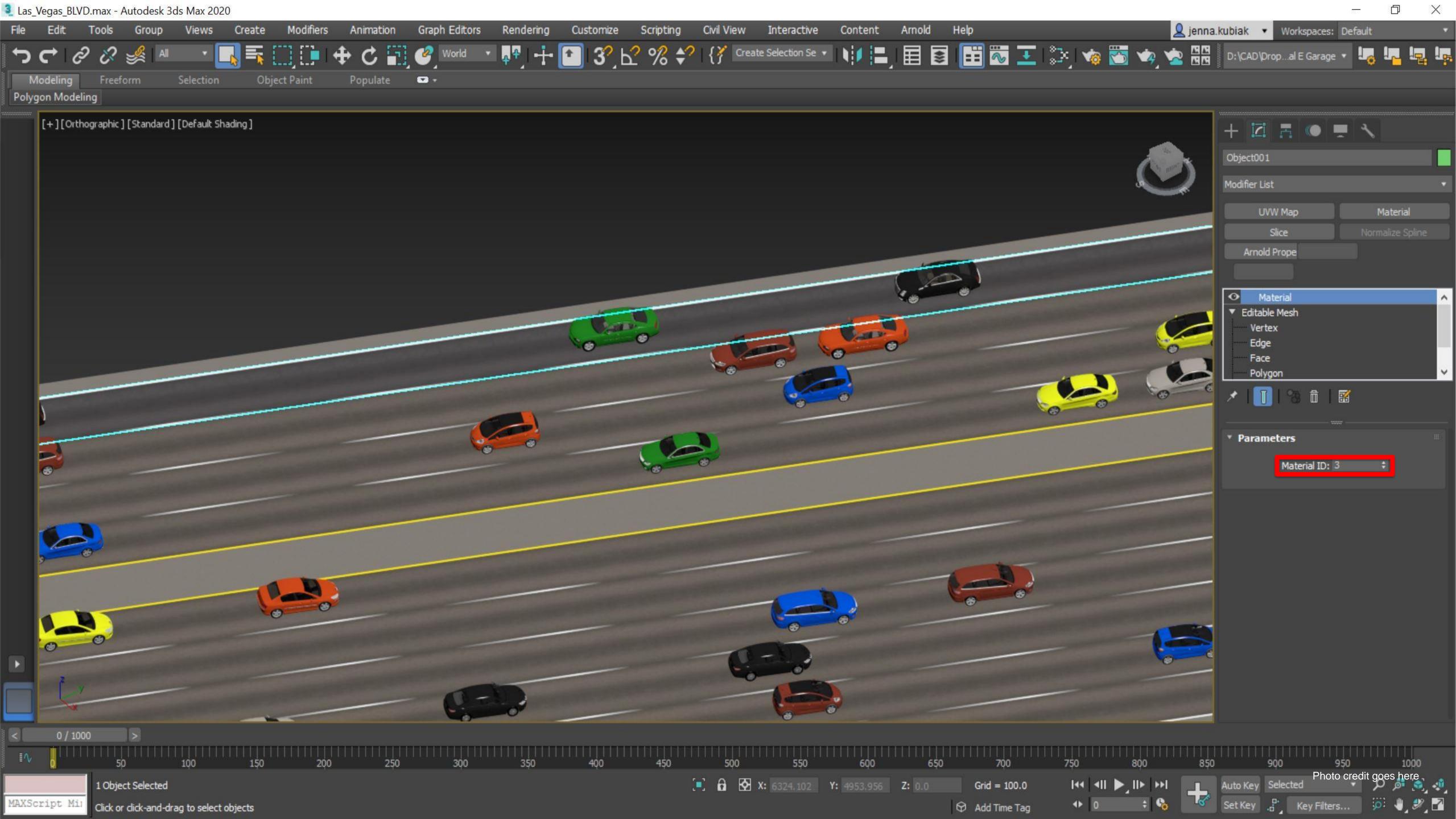


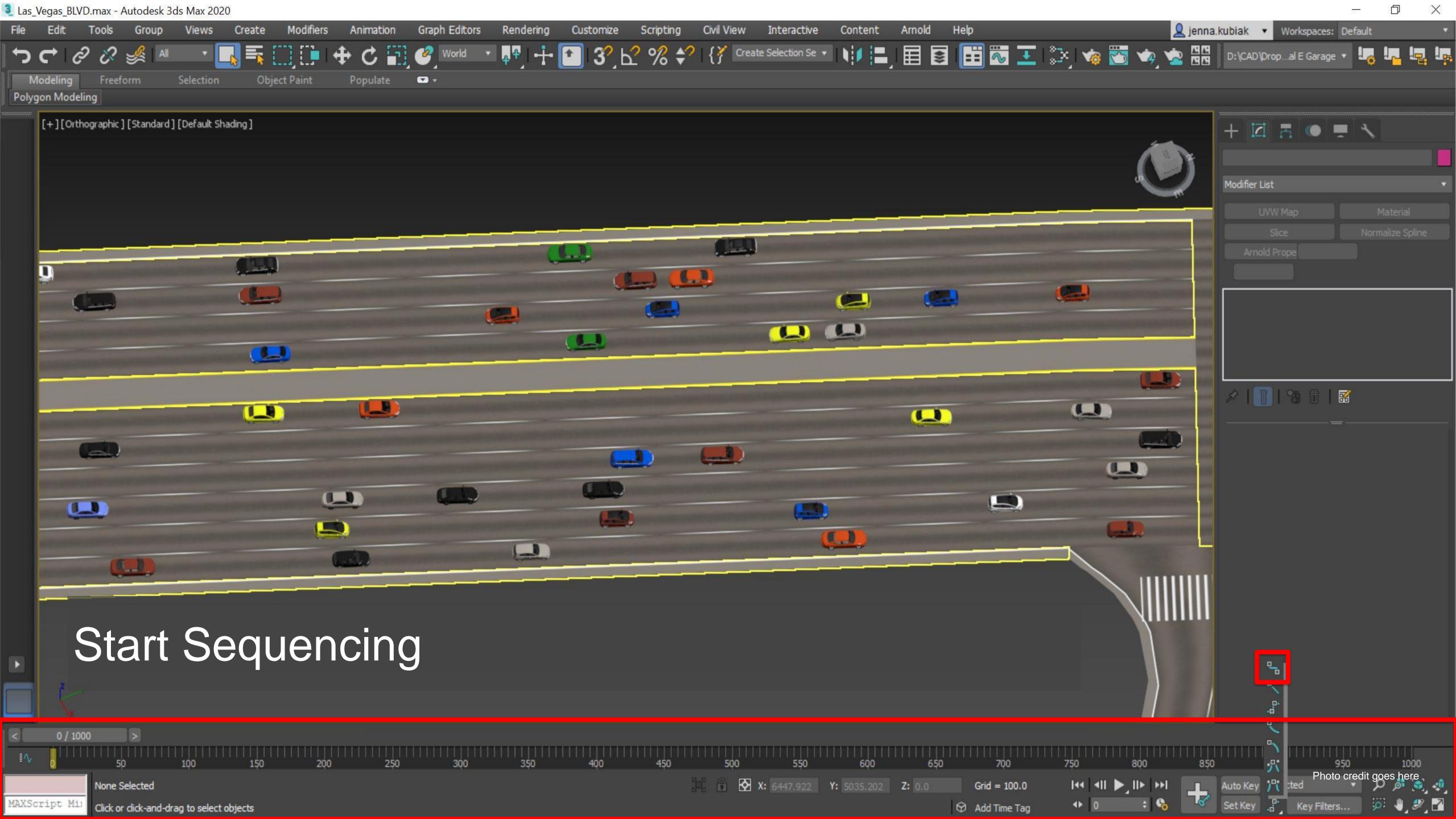


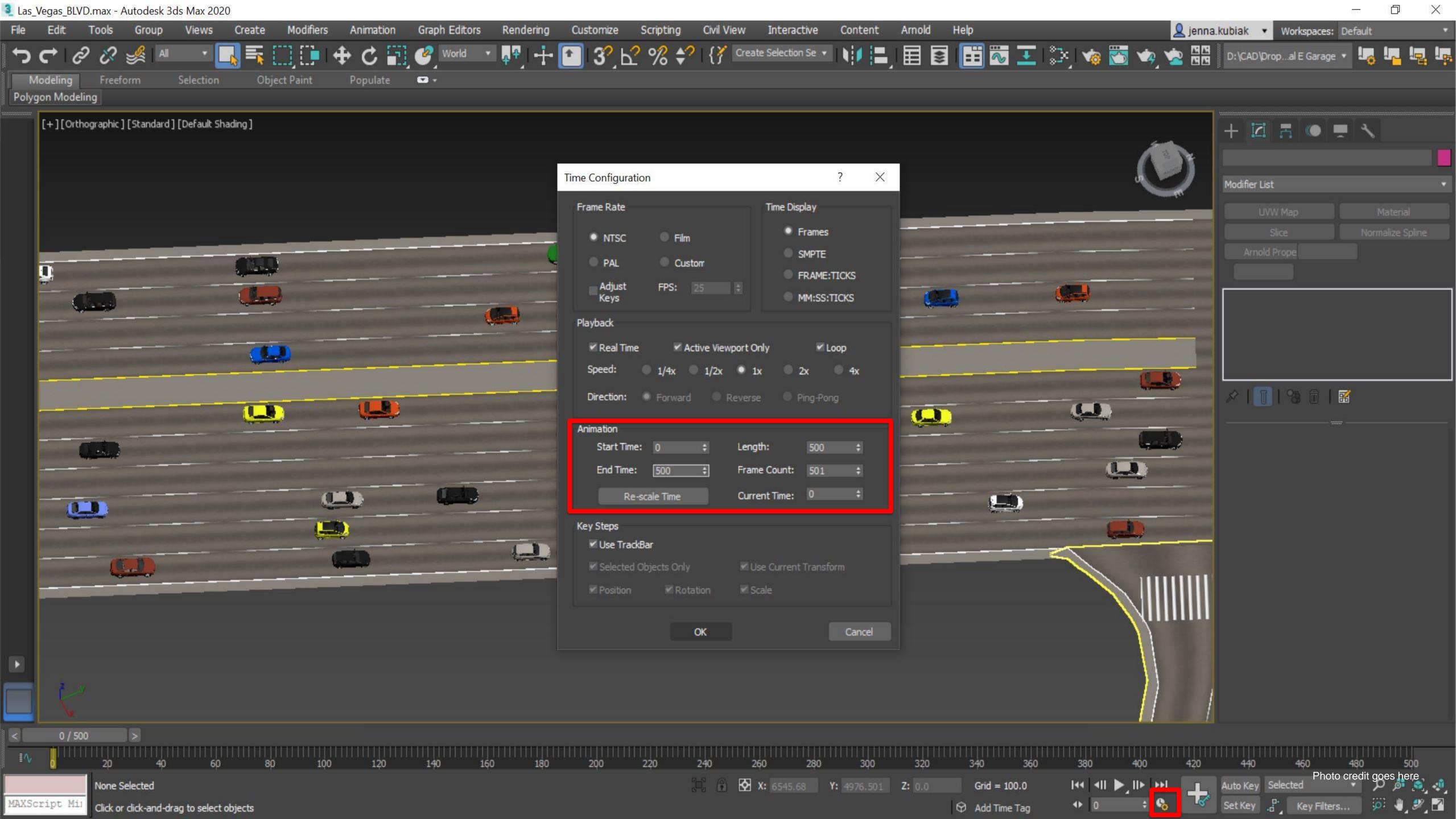


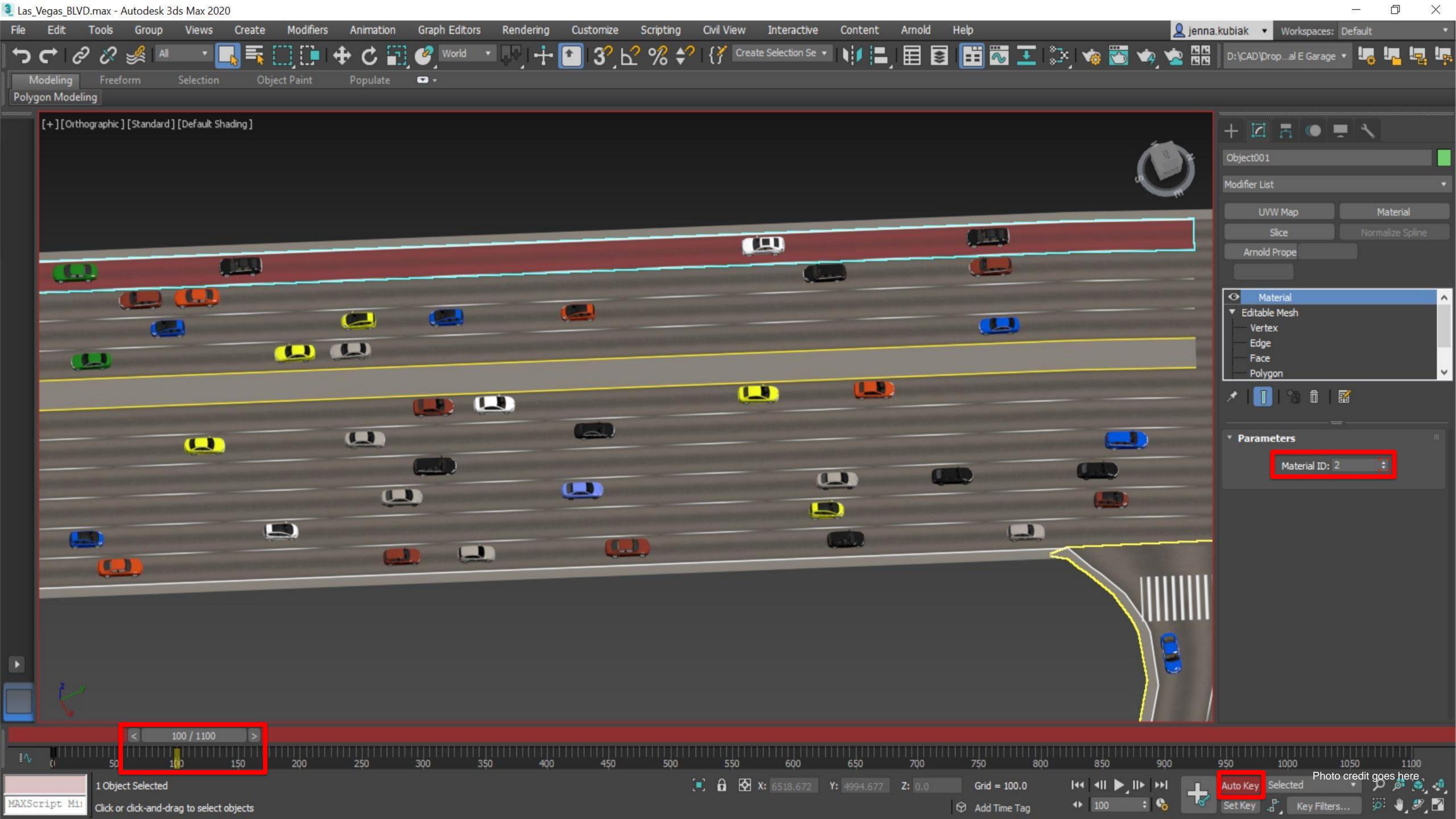


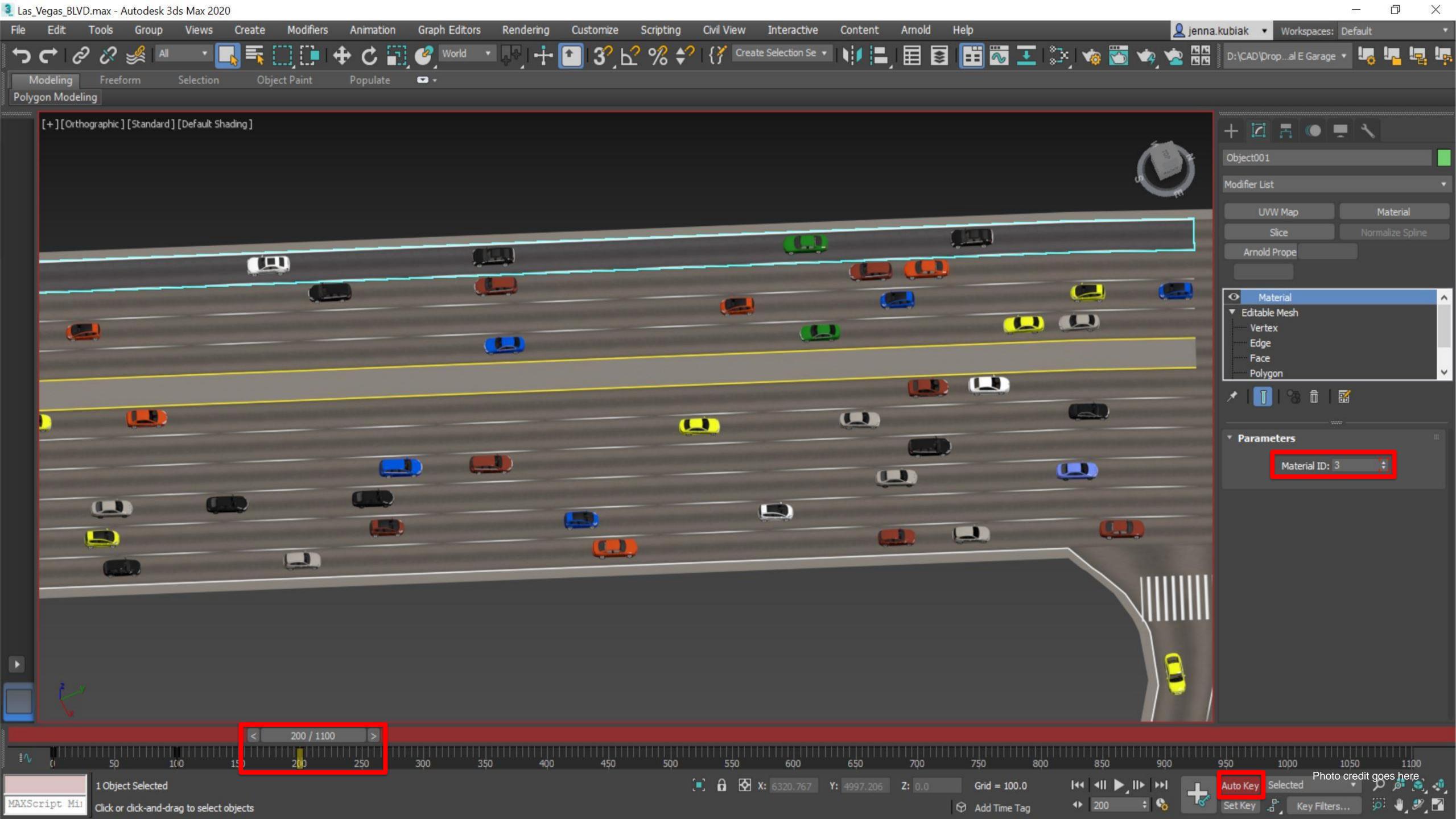


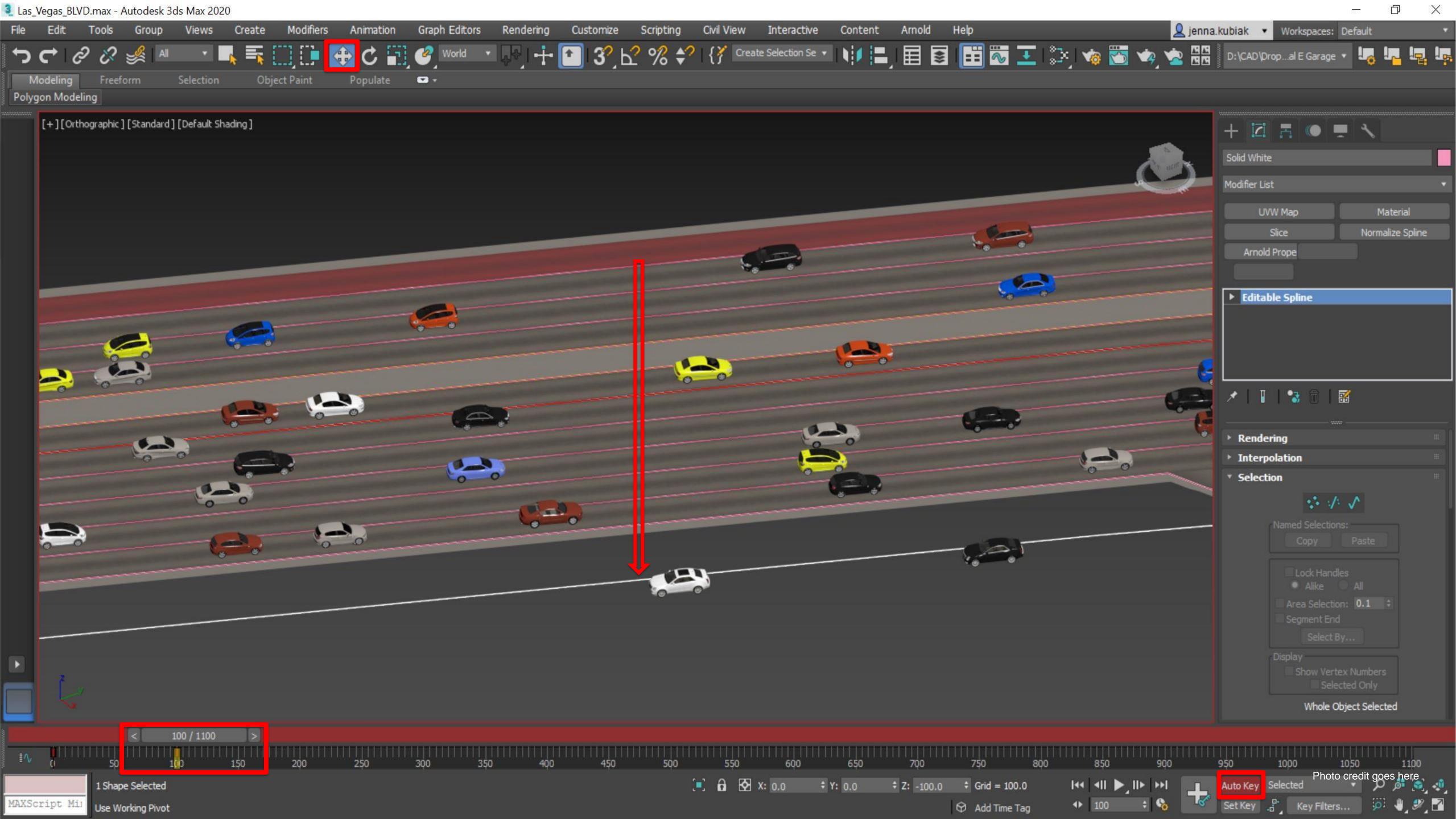


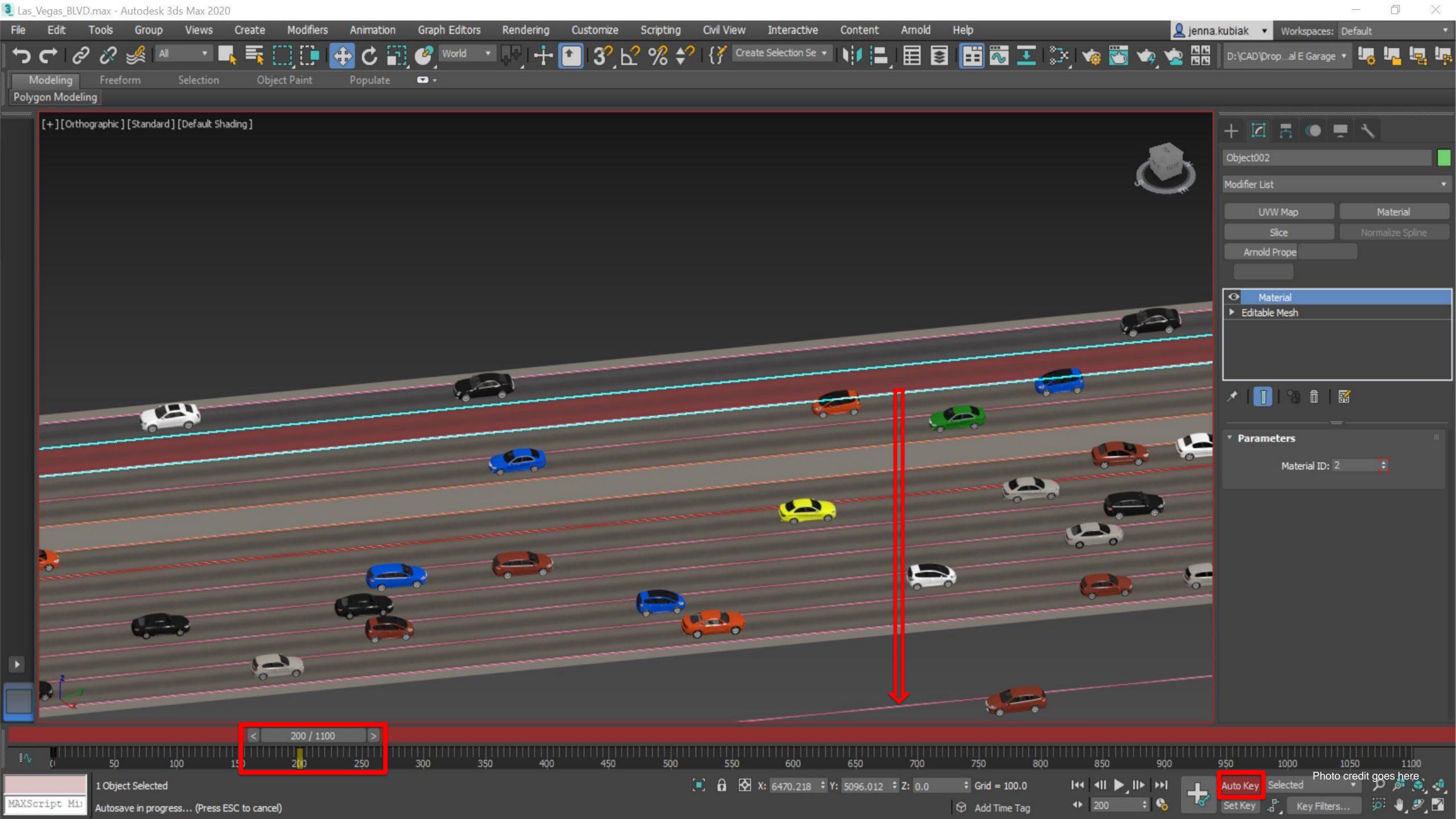


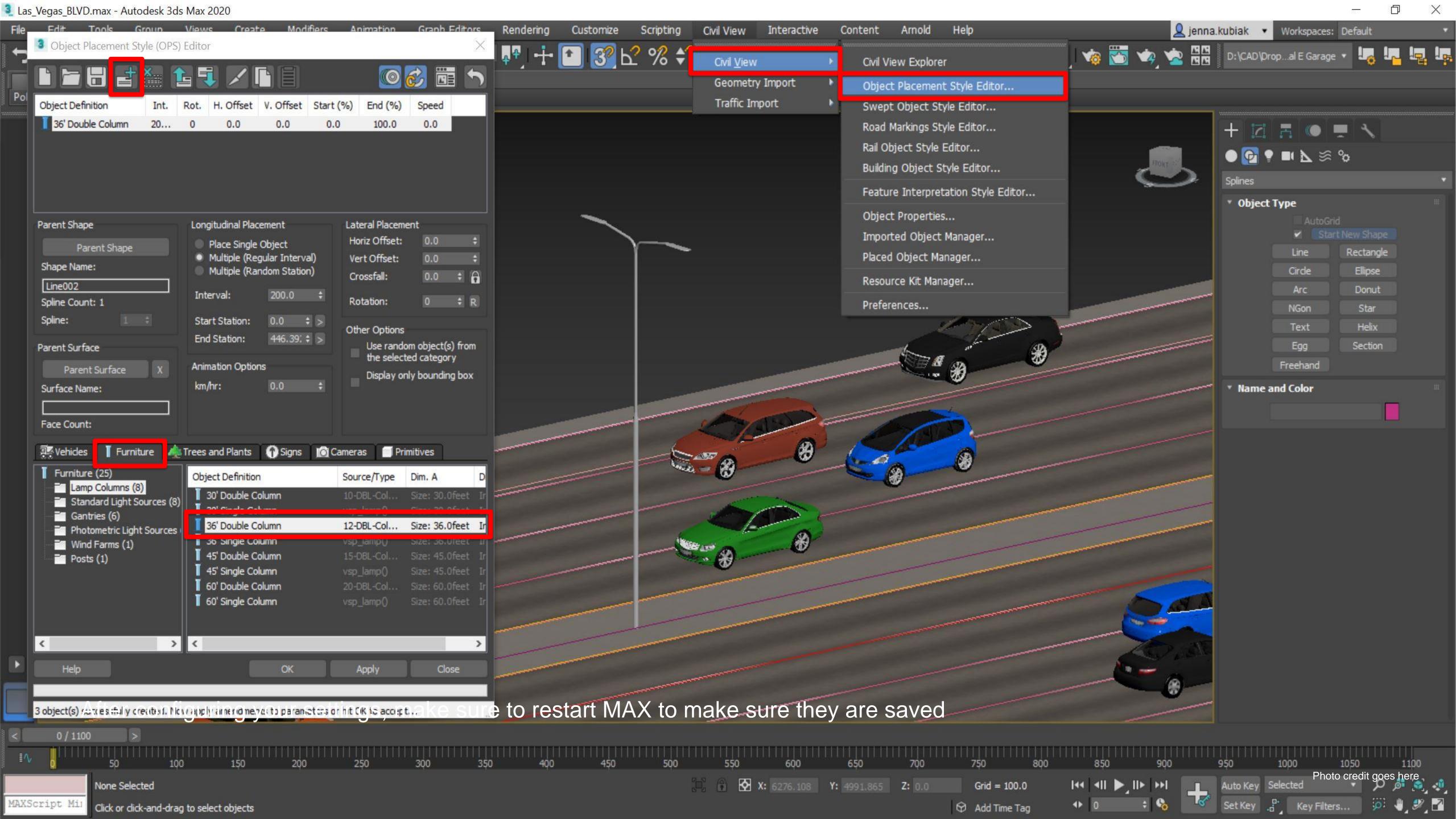














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