THE ART OF ELEVATION

Enhancing your Model Railroad with Grades, Contours and Elevations



MOST MODEL RAILROADER'S ARE EITHER AFRAID OF OR INTIMIDATED BY ADDING ELEVATION TO THEIR LAYOUTS . WHY ?? I AM GOING TO DISCUSS SOME EASIER WAYS TO ADD ELEVATION CHANGES TO A LAYOUT

THERE ARE TWO TYPES OF ELEVATION

PositiveNegative

POSITIVE ELEVATION

Hills
Mountains
Bridges
Viaducts
Buildings



EXAMPLES HILLS



NOTICE THE ROCK OUTCROP



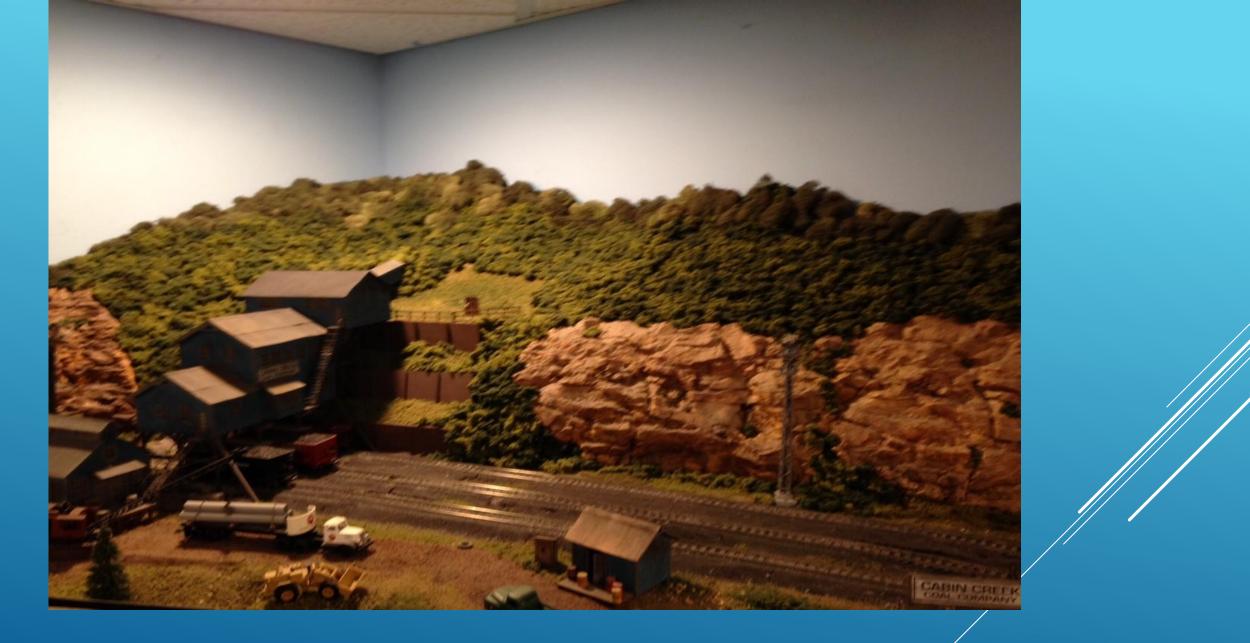
END OF THE ROAD USE YOUR IMAGINATION







GREAT WAY TO HIDE CURVED TRACK



DISGUISE CORNERS



BRIDGES, BOTH RAILROAD & VEHICULAR



BRIDGE USED AS VIEW BLOCK & SCENE CHANGER

OPPOSITE VIEW











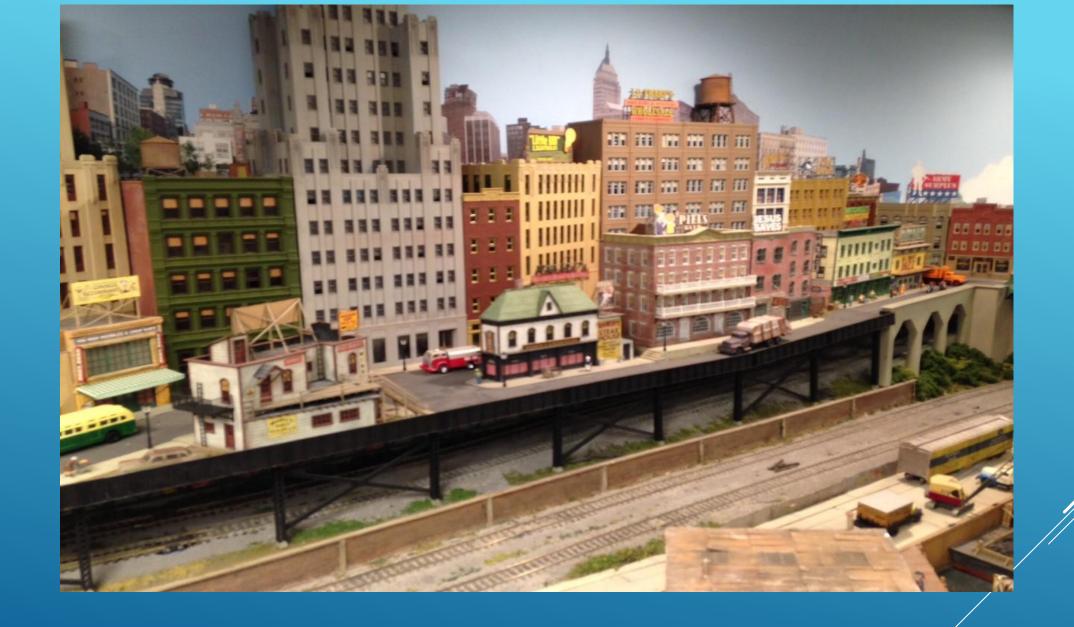
VEHICLE BRIDGES



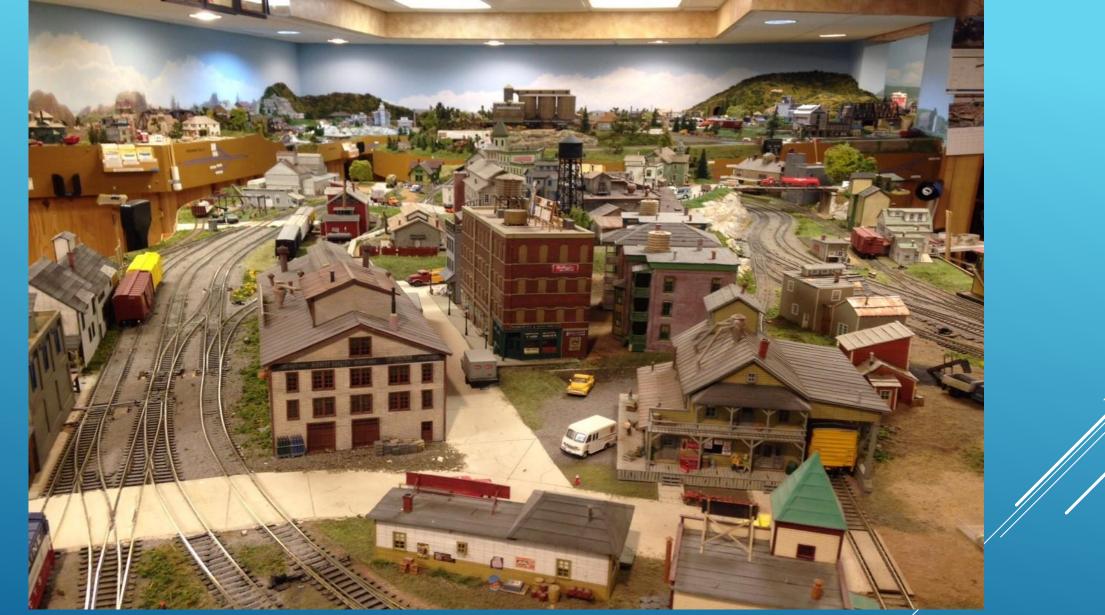




VIADUCTS TO RAISE A CITY



ANOTHER VIEW



BUILDINGS CREATE MINI SCENE & ALLEYS

10.00

BUILDING AS VIEW BLOCK (CITY)

BUILDING AS VIEW BLOCK (RURAL)



CITY BUILDINGS VARY STRUCTURE HEIGHTS / ANGLES DETAIL , DETAIL, DETAIL





PLACE SMALLER BUILDINGS IN FRONT LARGE IN BACK

NEGATIVE ELEVATIONS

Culverts
Rivers/Waterfalls
Harbors
Swamp



CULVERTS WATER HAS TO COME FROM SOMEWHERE

NOTICE NO WATER ON FAR SIDE OF CULVERT IT'S NOT REAL, BUT IT LOOKS REAL









FOSCALE FALLS

RIVER- ONLY 4" DIFFERENCE IN ELEVATION



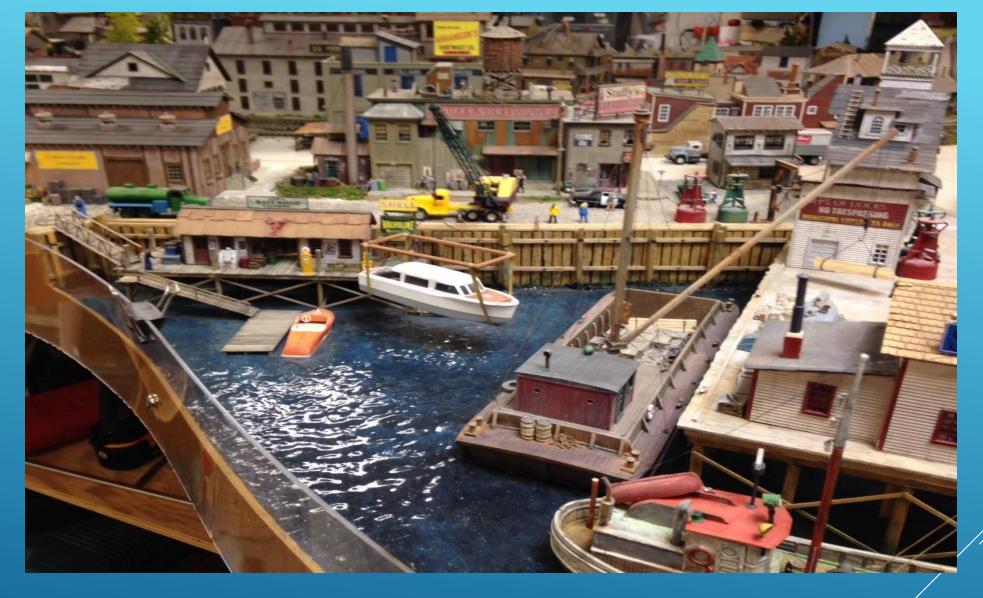




HARBORS (6"AT EDGE OF LAYOUT)



HARBORS (ALL THIS IN LESS THEN 2 SQ. FT.)





ONLY 1" IN DEPTH THIS IS LATEST PROJECT LARGE NYC TYPE HARBOR









RETAINING WALLS BRICK HOMEMADE GATOR FOAM





CONCRETE





ONLY 3/4" TALL

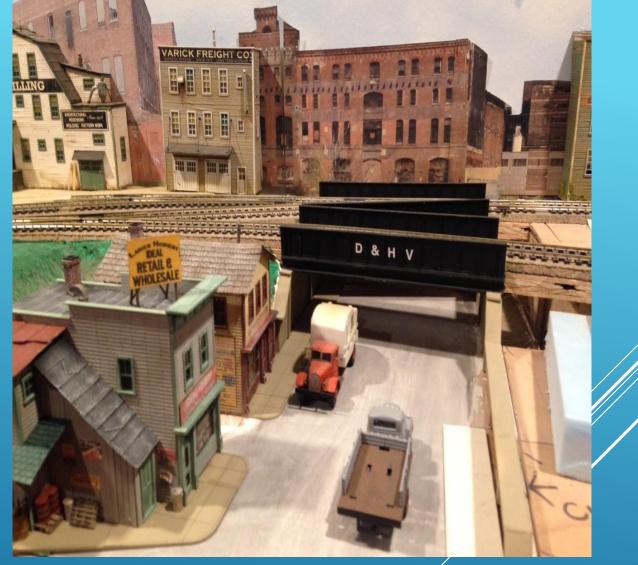




ROCK OUTCROPS









IN PROGRESS

QUESTION'S