

B / S / P / C / S	Strike	Exp.	Premium
Sell Call	105.00	JUN 16, '17	\$5.95
Buy Call	125.00	JUN 16, '17	(\$0.55)
Buy Put	80.00	JAN 18, '19	(\$5.35)
Bearish "Diagonal"			\$0.05

# IOI Tear Sheet : Union Pacific (UNP)

**Bearish "Diagonal" (High Conviction)**

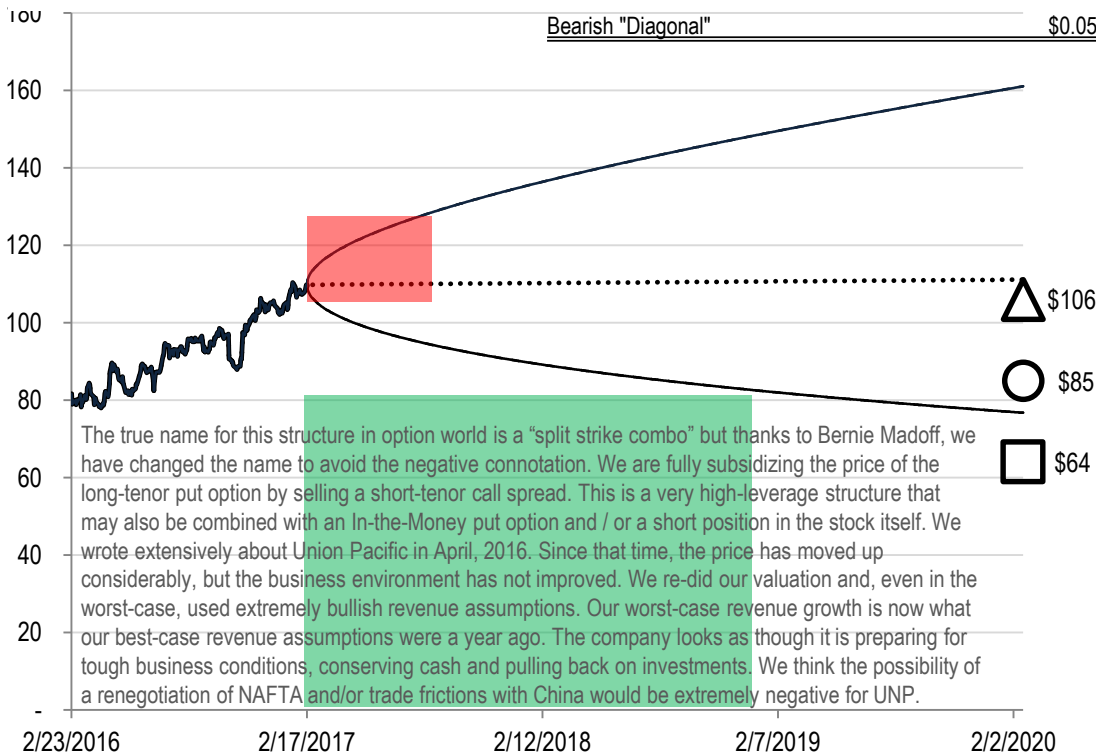
Data as of 23 February, 2017

## IOI's Take

We looked at UNP in April, 2016, but couldn't make a high conviction call at that time (stock price in mid-80s then). As the stock price has climbed and the threat of trade frictions with the Trump Admin have increased, this is a better time. Our valuation range moved up significantly from 2016 as we pushed the limits of credulity with our optimism around the revenue case. Our 2017 rev forecasts are far, far ahead of the Street. Even with this, the company appears clearly overvalued. We continue to worry about UNP as an instrument of US industrial policy and the unreasonably light hand of regulators, but now, threats of trade frictions now offset that positive we think.

## Drivers

<b>Revenues</b>	Great pricing power due to regulatory leniency. Volumes from all segments at risk from trade probs (China/Mexico). Proj: +11% (Best), 5% (Worst).
<b>Profitability</b>	Phenomenal! Mid- to High 20% OCP margin levels. Better than some tech firms...(ahem, IBM). Proj: 27% (B), 23% (W)
<b>Investment Level / Eff.</b>	45% of profits spent on cap improvements. Highly effective over last 5 years, less effective going forward. Proj (med-term growth): 7% (B), 5% (W)
<b>Balance Sheet</b>	Regulatory leniency is big positive. Exposure to trade frictions is a big negative.



## Valuation & Return

**Valuation Uncertainty: High**

	Low	Likely	High
<b>Stock Fair Value (\$)</b>	64	85	106
<b>Stock Return (%)</b>	-40	-21	-1
<b>Option Period Return (%)</b>	Infinite	Infinite	Infinite
<b>Option Annual Return (%)</b>	Infinite	Infinite	Infinite

## Historical Metrics

	Historical Median	
	5-year	10-year
Revenue Growth (%)	5	7
Profit Margin (%)	23	21
Med-term Growth	High	High

## Market Risk

We are risking \$20 of capital on the upside but receive a \$0.05 credit on this position. Any profit on this position will add to our credit. The stock has recently traded up to around \$110 per share and exposure up to \$140 is possible looking at 10y PS Ratio.

Probability / Materiality

Scenarios Key		
ST Rev Growth	ST OCP Margin	Med-Term Growth

Case / Scenario	Value
PSR Implied Low	59
5%   23%   5%	64
5%   23%   7%	69
5%   27%   5%	76
<b>252-day Low</b>	<b>78</b>
5%   27%   7%	81
11%   23%   5%	84
11%   23%   7%	91
11%   27%   5%	99
11%   27%   7%	106
<b>252-day High</b>	<b>110</b>
PSR Implied High	140

